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A1744856 tri6all.x
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AI630923 tri31N05.x
AIS33403 ag14c09.x
AUJ05311 AUJ05311
AZG12624 IMM0439C04
AZB16496 ZM0085G16
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A2824330 2M0098C22
BH811645 SALK 0595
A1188838 GA21fT.x
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AUJ06272 Sugano Homo sapiens cDNA library Homo sapiens cDNA clone
HRC00538, mRNA sequence.
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Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo.
1 (Dases 1 to 50)
Suzuki,Y., Taira,H., Tsunoda,T., Mizushima-Sugano,J., Sese,J., Hata,H., Ota,T., Isogai,T., Tanaka,T., Morishita,S., Okubo,K., Sakaki,Y., Nakamura,Y., Suyama,A. and Sugano,S.
Diverse transcriptional initiation revealed by fine, large-scale
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Contact: Yutaka Suzuki
Department of Virology
Institute of Medical Science, University of Tokyo
Institute of Medical Science, University of Tokyo
Suzuki, Shirokanedai, Minatoku, Tokyo 108-8639, Japan
Email: ysuzuki@ims.u-tokyo.ac.jp
Suzuki,Y., Yoshitomo-Nakagawa,K., Maruyama,K., Suyama,A. and Sugano,S. Construction and characterization of a full length-enriched and a 5'-end-enriched cDNA library. Gene 200 (1-2), 149-156 (1997).
Location/Qualifiers
                                                                                                           BE297610 601178187
AZ598617 1M0413G01
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AU256484 AU256484
T73421 Y355808 81
T77755 Y55486 81
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AI565007 tq53d09.x
BM128139 i£10b06.y
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                                                                                   AZ783540 2M0025G22
AI244530 qk14d06.x
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AI681936 tx50g10.x
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EMBO Rep. 2 (5), 388-393 (2001)
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        GenCore version
Copyright (c) 1993 - 2003
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Department of Virology
Institute of Medical Science, University of Tokyo
14-6-1, Shirokanedai, Minatoku, Tokyo 108-8639, Japan
14-6-1, Shirokanedai, Minatoku, Tokyo 108-8639, Japan
Email: ysuzukidains.u-tokyo.ac.jp
Suzuki,Y., Yoshitomo-Nakagawa,K., Maruyama,K., Suyama,A. and Sugano
,S. Construction and characterization of a full length-enriched and
a 5'-end-enriched cDNA library. Gene 200 (1-2), 149-156 (1997).
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1 (bases 1 to 50)
Suzuki,Y., Taira,H., Tsunoda,T., Mizushima-Sugano,J., Sese,J., Hata,H., Ota,T., Isogai,T., Tanaka,T., Morishita,S., Okubo,K., Sakaki,Y., Nakamura,Y., Suyama,A. and Sugano,S.
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Institute of Medical Science, University of Tokyo
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AUI06277 Sugano Homo sapiens cDNA library Homo sapiens cDNA clone
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Bukaryota, Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

1 (bases 1 to 50)
Suzuki, Y., Taira, H., Tsunoda, T., Mizushima-Sugano, J., Sese, J., Hat
Suzuki, Y., Taira, H., Tsunaka, T., Morishima-Sugano, J., Sese, J., Hat
Y., Nakamura, Y., Suyama, A. and Sugano, S.
Diverse transcriptional initiation revealed by fine, large-scale
mapping of mRNA start sites
EMBO Rep. 2 (5), 388-393 (2001)
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Homo sapiens

Homo sapiens

Homo sapiens

Homates, Craniata, Vertebrata, Euteleostomi,

Homalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.

Homo Saes 1 to 50)

Homo Saes 1 to 50

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Institute of Medical Science, University of Tokyo
4-6-1, Shirokanedai, Minatoku, Tokyo 108-8639, Japan
Email: yeuzuki@ims.u-tokyo.ac.jp
Suzuki,Y., Yoshirom-Nakagawa,K., Maruyama,K., Suyama,A. and Sugano,S. Construction and characterization of a full length-enriched and s'-end-enriched cDNA library. Gene 200 (1-2), 149-156 (1997).
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100.0%; Pred. No. 1.5e+04;
tive 0; Mismatches 0;
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ilarity 100.0%;
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VERSION KEYWORDS SOURCE ORGANISM

REFERENCE AUTHORS

JOURNAL MEDLINE

COMMENT

TITLE

DEFINITION

RESULT 2 AU106275

ACCESSION

BASE COUNT ORIGIN

FEATURES

DEFINITION

RESULT 3 AU106276 LOCUS

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blarzycia; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo.
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Unpublished (1997)
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AU106279 Sugano Homo sapiens cDNA library Homo sapiens cDNA clone
AU106279
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Department of Virology
Institute of Medical Science, University of Tokyo
Institute of Medical Science, University of Tokyo
Institute of Medical Science, University of Tokyo
Email: ysuzuki@ims.u-tokyo.ac.jp.
Smail: ysuzuki@ims.u-tokyo.ac.jp.
Suzuki,'v., Soshicomo-Nakagawa,'K., Maruyama,'K., Suyama,'A. and Sugano
Suzuki,'Y., Yoshicomo-Nakagawa,'K., Maruyama,'K., Suyama,'A. and Sugano
'S. Construction and characterization of a full length-enriched and
a 5'-end-enriched cDNA library. Gene 200 (1-2), 149-156 (1997).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Suzuki,Y., Taira,H., TBunoda,T., Mizushima-Sugano,J., Sese,J., Hata,H., Ota,T., Taira,H., Tanaka,T., Morishita,S., Okubo,K., Sakaki,Y., Nakamura,Y., Suyama,A. and Sugano,S.
Diverse transcriptional initiation revealed by fine, large-scale mapping of mRNA start sites
EMBO Rep. 2 (5), 388-393 (2001)
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
1 (bases 1 to 50)
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23 c 17 g 9 t
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/clone="IBC06165"
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Contact: Yutaka Suzuki
Department of Virology
Institute of Medical Science, University of Tokyo
Institute of Medical Science, University of Tokyo
Email: Shirokanedai, Minatoku, Tokyo 108-8639, Japan
Email: ysuzuki@ims.u-tokyo.ac.jp
Suzuki,Y., Yoshitomo-Nakagawa,K., Maruyama,K., Suyama,A. and Sugano,S. Construction and characterization of a full length-enriched and a 5'-end-enriched CDNA library. Gene 200 (1-2), 149-156 (1997).
Location/Qualifiers
Suzuki,Y., Taira,H., Tsunoda,T., Mizushima-Sugano,J., Sese,J., Hata,H., Ota,T., Isogai,T., Tanaka,T., Morishita,S., Okubo,K., Sakaki,Y., Nakamura,Y., Suyama,A. and Sugano,S.
Diverse transcriptional initiation revealed by fine, large-scale mapping of mRNA start sites
EMBO Rep. 2 (5), 388-393 (2001)
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Email: cgapbs-remail.nih.gov
Tissue Procurement: Christopher Moskaluk, M.D., Ph.D., Michael R.
Emmert-Buck, M.D., Ph.D.
CDNA Library Preparation: Life Technologies, Inc.
CDNA Library Arrayed by: Greg Lennon, Ph.D.
DNA Sequencing by: Washington University Genome Sequencing Center
Clone distribution: NCI-CGAP clone distribution information can be found through the I.M.A.G.E. Consortium/LLNL at:
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
1 (bases 1 to 25)
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dimethylfumarate treated U937 cells"
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National Cancer Institute, Cancer Genome Anatomy Project (CGAP),
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100.0%; Pred. No. 1.5e+04;
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Length 26; 0: Indels

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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

12 (Dases 1 to 31)

13 (Dases 1 to 31)

14 (Dases 1 to 7)

15 NCI-GGAP http://www.ncbi.nlm.nih.gov/ncicgap.

15 NCI-GGAP http://www.ncbi.nlm.nih.gov/ncicgap.

16 NCI-GGAP http://www.ncbi.nlm.nih.gov/ncicgap.

17 Umor Gene Index

18 NCI-GGAP programment of the control of the contact: Robert Strausberg, Ph.D.

18 Email: cgapbs-remail.nih.gov

17 Issue Procurement: Christopher Moskaluk, M.D., Ph.D., Michael R.

18 Emmert-Buck, M.D., Ph.D.

18 Emmert-Buck, M.D., Ph.D.

19 CDNA Library Preparation: Life Technologies, Inc.

19 CDNA Library Parayed by: Greg Lebnon, Ph.D.

19 DNA Sequencing by: Washington University Genome Sequencing Center

19 Clone distribution: NCI-CGAP clone distribution information can be found through the I.M. A.G. B., Consortium/LNN at:
was blunt end-repaired with T4 DNA polymerase and T4 polymucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptored DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pWD42 (gil4732114|gb|AP129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptored mouse DNA was annealed to adaptored vector DNA, and transformed into chemically-competent E. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."
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/clone="IMAGB:2218460"
/clone="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960="Laxon:960
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          35.5%; Score 11; DB 17; L 100.0%; Pred. No. 4.8e+04;
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Seq primer: -40UP from Gibco
High quality sequence stop: 1.
Location/Qualifiers
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                                                                                                                                                                   /clone="IMAGE:2258767"
/clone lib="NGI CGAP Gas4"
/tissue_type="poorly differentiated adenocarcinoma with
signet_ring cell features"
/lab host="DH108"
/note="Organ: stomach; Vector: pCMV-SPORT6; Site 1: Sall;
Site 2: Not1; Cloned unidirectionally. Primer: Öligo dT.
Average insert size 1.69 kb. Life Technologies catalog #:
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Dunn, D., Aoyagi, A., Barber, M., Beacorn, T., Duval, B., Hamil, C., Islam, H., Longacre, S., Mahmoud, M., Meenen, E., Pedersen, T., Reilly, M., Rose, M., Rose, R., Stokes, R., Tingey, A., von Niederhausern, A. Mouse whole genome scaffolding with paired end reads from 10kb plasmid inserts
Unpublished (2000)
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/sex="Male"
/lab_hosts="E. Coli strain XL10-Gold, Tl-resistant, F-"
/note="Vector: PWD42nv; Purified genomic DNA from M.
musculus C57BL/6J (male) was obtained from the Jackson
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
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Insert Length: 10000 Std Error: 0.00
Plate: 0107 row: G column: 23
Seq primer: CACACAGGAAACAGCTATGACC
Class: plasmid ends
High quality sequence stop: 26.
Location/Qualifiers
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/organism="Mus musculus"
/strain="C57BL/6J"
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                                                                                                       sapiens"
                                                                                                                                            /db xref="taxon:9606"
                                 Location/Qualifiers
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organism="Homo"
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Fax: 801 585 7177
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Contact: Robert Strausberg, Ph.D.
Email: cgapbs-r@mail.nih.gov
Tissue Procurement: Christopher Moskaluk, M.D., Ph.D., Michael R..
Emmert-Buck, M.D., Ph.D.
CDNA Library Preparation: Life Technologies, Inc.
CDNA Library Arrayed by: Greg Lennon, Ph.D.
DNA Sequencing by: Washington University Genome Sequencing Center
Clone distribution: WI-GAP clone distribution information can be
found through the I.M.A.G.B. Consortium/LLNL at:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AI253403 49 bp mRNA linear EST 06-NOV-1998 aq14c09.x1 Stanley Frontal NS pool 2 Homo sapiens cDNA clone IMAGE:2030896 similar to TR:Q33559 Q33559 NH2 TERMINUS UNCERTAIN ;,
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1. (bases 1 to 49)

1. (laises 1 to 49)

1. (lainier, L., Allen, M., Bowles, L., Dubuque, T., Geisel, G., Jost, S., Krizman, D., Kucaba, T., Lacy, M., Le, N., Lennon, G., Marrin, J., Moore, B., Schellenberg, K., Steptoe, M., Tan, F., Theising, B., White, Y., Wylie, T., Waterston, R. and Wilson, R.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        /note="Organ: uterus; Vector: pCMV-SPORT6; Site 1: Sal1; Site 2: Not1; Cloned unidirectionally. Primer: Oligo dT. Average insert size 1.85 kb. Life Technologies catalog #:
tz31h05.x1 NCI CGAP Ut2 Homo sapiens cDNA clone IMAGE:2290233 3' similar to SW:SP49 HUMAN Q15427 SPLICEOSOME ASSOCIATED PROTEIN 49 ;contains TAR1.t3 MSR1 repetitive element ;, mRNA sequence.
                                                                                                                                                                  Bukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Butheria, Primates, Catarrhini, Hominidae, Homo.

    (bases 1 to 40)

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National Cancer Institute, Cancer Genome Anatomy Project (CGAP),
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/organism="Homo sapiens"
/db_xref="taxon:9606"
/clone="IMAGE:2290233"
/clone=lib="NCI CGAP_Ut2"
/tissue_type="moderately-differentiated endometrial
adenocarcinoma, 3 pooled tumors"
/lab_host="DH108"
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100.0%; Pred. No. 5.1e+04;
iive 0; Mismatches 0;
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AI253403.1 GI:3850358
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Unpublished (1997)
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Matches 11; Conservative
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Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

1 (bases 1 to 39)

Krizman,D., Kucaba,T., Lacy,M., Le,N., Lennon,G., Marra,M., Martin,J., Moore,B., Schellenberg,K., Steptoe,M., Tan,F., Theising,B., White,Y., Wylie,T., Waterston,R. and Wilson,R.

MashU-NCI human EST Project

L. Unpublished (1997)

Contact: Wilson RK

Washington University School of Medicine

444 Porset Park Parkway, Box 8501, St. Louis, MO 63108

Tel: 314 286 1810

Fax: 314 286 1810

Fax: 314 286 1810

Exail: est@wateson.wustl.edu

This clone is available royalty-free through LLNL; contact the

IMAGE Consortium (info@image.llnl.gov) for further information.

Seq primer: -40m13 fwd. ET from Amersham

High quality sequence erop:

Location/Qualifiers
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                                                                                                                                                                                                                                      294408.s1 Soares pineal gland N3HPG Homo sapiens CDNA clone IMAGE:396182 3' similar to gb:Z23090 HEAT SHOCK 27 KD PROTEIN (HUMAN);, mRNA sequence.
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/db_xref="GDB:1302084"
/db_xref="taxon:9606"
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                     Query Match 35.5
Best Local Similarity 100.
Matches 11; Conservative
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Contact: Yutaka Suzuki
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(S.-TCAGACGGCGCCGCGCAGGT-3' or 5'- AGGCGTGGTGGGGGGGGT-1'), to be used as tester. Subtraction was performed using the Clontech PCR Select CDNA subtraction kit. Pool of two mentally normal male individuals ages 41 and 53 (8-124, 8-141) subtracted by pool of two schizophrenic individuals, male age 44 and female age 56 (8-116, 8-118). Tissues were obtained from the Stanley Neuropathology Consortium (www.stanleylab.org Johnston [(410) 614-3918, nlj@welchlink.welch.jhu.edu]."
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Suzuki,Y., Taira,H., Teunoda,T., Mizushima-Sugano,J., Sese,J., Hata,H., Ota,T., Isogai,T., Tanaka,T., Morishita,S., Okubo,K., Sakaki,Y., Nakamura,Y., Suyama,A. and Sugano,S.
Diverse transcriptional initiation revealed by fine, large-scale mapping of mRNA start sites
EMBO Rep. 2 (5), 388-393 (2001)
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Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo.
1 (bases 1 to 50)
                                                                Washington University School of Medicine
4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108
Tel: 314 286 1800
Fax: 314 286 1810
Email: est@watson.wustl.edu
This clone is available royalty-free through LiNL, contact the
IMAGE Consortium (info@image.llnl.gov) for further information.
Trace considered overall poor quality
Possible reversed clone: similarity on wrong strand
Seq primer: -40UP from Gibco
                                                                                                                                                                                                                                                                                                                                                                                                                                           /clone_lib="Stanley Frontal NS pool 2"
//tissue_type="frontal lobe (see description)"
lab hose="BH10B (phage=resistant)"
/note="Organ: brain; Vector: pCR2:1-TOPO (Invitrogen);
Site= I: EGORI; Total RNA (purified with Trisol and DNA
before use) was reverse transcribed using a modified
oligo-dT primer containing RsaI and HindIII sites
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100.0%; Pred. No. 5.2e+04;
tive 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                          /organism="Homo sapiens"
/db_xref="taxon:9606"
/clone="IMAGE:2030896"
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Location/Qualifiers
  WashU-NCI human EST Project
Unpublished (1997)
Contact: Wilson RK
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AU105311.1 GI:13554832
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Department of Virology
Institute of Medical Science, University of Tokyo
Institute of Medical Science, University of Tokyo
Institute of Medical Science, University of Tokyo
Banai: ysuzuki@ims.u-cokyo.ac.jp
Suzuki,Y., Yoshitomo-Nakagawa,K., Maruyama,K., Suyama,A. and Sugano,S. Construction and characterization of a full length-enriched and a 5'-end-enriched cDNA library. Gene 200 (1-2), 149-156 (1997).
Location/Qualifiers
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1M0439C04R Mouse 10kb plasmid UUGC1M library Mus musculus genomic clone UUGC1M0439C04 R, DNA sequence.
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Juval, B., Hamil, C.,

Junn, D., Aoyagi, A., Barber, M., Beacorn, T., Duval, B., Hamil, C.,

Islam, H., Longacre, S., Mahmoud, M., Menen, E., Pedersen, T., Reilly,

M., Rose, M., Rose, R., Stokes, R., Tingey, A., von Niederhausern, A.

Man Wright, D., Weiss, R.

Mouse whole genome scaffolding with paired end reads from 10kb

plasmid inserts
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Mammalia; Butheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Mus musculus
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Unpublished (2000)
Contact: Robert B. Weiss
Contact: Robert B. Weiss
University of Utah Genome Center
University of Utah
Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      /lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"/note="Vector: PWD42nv; Purified genomic DNA from M. musculus C57BL/6J (male) was obtained from the Jackson Laboratory Mouse DNA Resource
                                                                                                                                                                                                             Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       .
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/db.xref="taxon:10090"
/db.zref="taxon:10090"
/clone="UGCIM0439C04"
/clone_lib="Mouse 10kb plasmid UUGCIM library"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 50;
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Mismatches 0;
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Fax: 801 585 7177
Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std.Brror: 0.0
Plate: 0439 row: C column: 04
Seg primer: CACACAGGAAACAGCTAATGACC
Class: plasmid ends
High quality sequence stop: 19.
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Pred. No.
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(http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end repaired with 74 DNA polymerase and 74 polymucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptored DNA was purified and size selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pWD42 (gil 4732114) [ab RAL23072.1], a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptored mouse DNA was annealed to adaptored vector DNA, and transformed into chemically-competent E. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."
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Bunn, D., Aoyai, A., Barber, M., Beacorn, T., Duval, B., Hamil, C., Islam, H., Longacre, S., Mahmoud, M., Meenen, E., Pedersen, T., Reilly, M., Rose, M., Rose, R., Stokes, R., Tingey, A., von Niederhausern, A. and Wright, D., Weise, R.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AZ816496 20-FEB-200
2M0085G16F Mouse 10kb plasmid UUGC1M library Mus musculus genomic
clone UUGC2M0085G16 F, DNA sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              /lab_host="E. Coli strain XLIO-Gold, Tl-resistant, F-"
/note="weetcr: PMP42nv; Purified genomic DNA from M.
musculus C57BL/6J (male) was obtained from the Jackson
Laboratory Mouse DNA Resource
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0; Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        32.3%; Score 10; DB 17; Length 19; 100.0%; Pred. No. 1.6e+05; tive 0; Mismatches 0; Indels
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Fax: 801 585 7177
Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Brror: 0.00
Plate: 0085 row: G column: 16
Seq primer: CGTTGTAAAACGACGCCAGT
Class: plasmid ends
High quality sequence stop: 20.
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              'organism="Mus musculus"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          plasmid inserts
Unpublished (2000)
Contact: Robert B. Weiss
University of Utah Genome Center
University of Utah
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clone="UUGC2M0085G16"
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Best Local Similarity
Matches 10; Conserv
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84112, US
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KEYWORDS
SOURCE
ORGANISM
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AZ816496
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COMMENT
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was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end repaired with 14 DNA polymerase and 14 polymucleotide kinase. Adaptor oligomucleotides were ligated to the blunt ends in high molar excess. The adaptored DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pWD42 (gi|4732114|gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptored mouse DNA was annealed to adaptored vector DNA, and transformed into chemically-competent E. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ö
(http://www.jax.org/resources/documents/dnares/). The DNA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        32.3%; Score 10; DB 17; Length 20; 100.0%; Pred. No. 1.6e+05; ive 0; Mismatches 0; Indels
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Job time: 814.38 secs
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Best Local Similarity
Matches 10; Conserv
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Sequence 4638, Apsequence 4638, Appegruence 686, Appesequence 6395, Appegruence 6395, Appegruence 64983, Appegruence 84695, Appegruence 84695, Appegruence 12, Applegruence 12, Applegruence 276, Appegruence 85526, Appegruence 855266, Appegruence 855266, Appegruence 855266, Appegruence 855266, Appegruence 855266, Appegruence 855266, Appegruence 855266,

Sequence

Sequence 14883, A Sequence 22556, A Sequence 21, Appl Sequence 22, Appl Sequence 77351, A Sequence 63498, A Sequence 63498, A

Word size :

Searched:

Seguence:

Database :

Result No. App.

Sequence

OM nucleic

Run on:

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FULL OF INTERIOR TO STATE TO SERVICE TO SERVICE TO SEQUENCES: 42

CORRESPONDENCE ADDRESS: 42

CORRESPONDENCE ADDRESS: And Townsend and Crew Lip STREET: Two Embarcadero Center, Eighth Floor CITY: San Francisco
STREET: California
COUNTRY: USA
ZIP: 94111-3834

COMPUTER: ISM PC Compatible
COMPUTER: PIOPPY disk
COMPUTER: PIOPPY disk
COMPUTER: PIOPPY disk
COMPUTER: PADABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: PADABLE PORM:
MEDIUM TYPE: PATABLE COMPATA:
APPLICATION DATA:
APPLICATION DATA:
FILING DATE: US-10/359,935
FILING DATE: US-10/350,935
12 US-60-427-808-26051

12 US-60-427-808-66169

12 US-60-427-808-65169

12 US-60-427-816-4638

13 US-60-427-816-4638

14 US-10-294-038-686

15 US-10-294-038-686

16 US-10-294-038-686

17 US-10-294-038-686

18 US-10-310-188-48695

18 US-10-310-188-48695

19 US-10-310-188-48695

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10 US-10-367-892-79

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REGISTRATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 015389-000821US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/057,351
FILING DATE: 08-APPL1994
APPLICATION NUMBER: US 08/272,102
FILING DATE: 07-ULL-1994
APPLICATION NUMBER: US 08/330,123
FILING DATE: 27-OCT-1994
APPLICATION NUMBER: US 08/472,802
FILING DATE: 07-UN-1995
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ALIGNMENTS
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; Sequence 22, Application US/10359935
; GENERAL INFORMATION:
; APPLICANT: Villeponteau, Bryant
       RESULT 1
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Sequence 11, Appl
Sequence 275, App
Sequence 120843,
Sequence 120843,
Sequence 120845,
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Sequence 29, Appl
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score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.
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1: /cgn2 6/ptodata/2/pna/USO6_NEW COMB.seq:*

3: /cgn2 6/ptodata/2/pna/USO6_NEW COMB.seq:*

3: /cgn2 6/ptodata/2/pna/USO7 NEW COMB.seq:*

4: /cgn2 6/ptodata/2/pna/USO8 NEW COMB.seq:*

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6: /cgn2 6/ptodata/2/pna/USO8 NEW COMB.seq:*

7: /cgn2 6/ptodata/2/pna/USO9 NEW COMB.seq:*

8: /cgn2 6/ptodata/2/pna/USO9 NEW COMB.seq2:*

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10: /cgn2 6/ptodata/2/pna/USO8 NEW COMB.seq2:*

11: /cgn2 6/ptodata/2/pna/USO8 NEW COMB.seq2:*

12: /cgn2 6/ptodata/2/pna/USO8 NEW COMB.seq2:*

13: /cgn2 6/ptodata/2/pna/USO8 NEW COMB.seq2:*

13: /cgn2 6/ptodata/2/pna/USO8 NEW COMB.seq3:*

13: /cgn2 6/ptodata/2/pna/USO8 NEW COMB.seq3:*

13: /cgn2 6/ptodata/2/pna/USO8 NEW COMB.seq3:*
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                               GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.
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US-10-359-935-29
PCT-US03-044088-12
US-09-954-445A-120839
US-09-954-445A-120843
US-09-954-445A-120843
US-09-954-445A-120843
US-09-954-445A-1235
US-09-954-445A-31237
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US-10-367-892-21888
US-10-294-038A-3446
US-60-427-808-20286
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Gapop 60.0 , Gapext 60.0
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INFORMATION FOR SEQ ID NO: 22

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                                                                                                                                                                             Length 30;
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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADDRESSEE: Townsend and Townsend and Crew LLP STREET: Two Embarcadero Center, Eighth Floor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NAME: Storella, John R. REGISTRATION NUMBER: 32,944 REFERENCE/DOCKET NUMBER: 015389-000821US
                                                                                                                                                                               DB 9;
0.018;
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Funk, Walter
Andrews, William H.
TITLE OF INVENTION: Mammalian Telomerase
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APPLICATION NUMBER: US/09/057,351
FILING DATE: 08-APR-1994
APPLICATION NUMBER: US 08/272,102
FILING DATE: 07-JUL-1994
                                                                                                                                                                                                                       Mismatches
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APPLICATION NUMBER: US/10/359,935
FILING DATE: 07-Feb-2003
CLASSIPICATION: 435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICATION NUMBER: US 08/330,123 PILING DATE: 27-007-1994 APPLICATION NUMBER: US 08/472,802 FILING DATE: 07-UNN-1995
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MOLECULE TYPE: DNA

SEQUENCE DESCRIPTION: SEQ ID NO: 29:
US-10-359-935-29
                                                                           TOPOLOGY: linear
MOLECULE TYPE: DNA
SEQUENCE DESCRIPTION: SEQ ID NO: 22:
                                                                                                                                                                         71.0%; Score 22; ilarity 100.0%; Pred. No. Conservative 0; Mismatch
                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 29, Application US/10359935
GENERAL INFORMATION:
APPLICANT: Villeponteau, Bryant
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TELECOMMUNICATION INFORMATION
                                       TYPE: nucleic acid
STRANDEDNESS: single
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STATE: California
COUNTRY: USA
SEQUENCE CHARACTERISTICS
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CORRESPONDENCE ADDRESS
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Matches 22; Conserv
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Best Local Similarity
Matches 21; Conserv
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Indels

0; Mismatches

ilarity 100.0%; Conservative 0

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OTHER INFORMATION: Description of Artificial Sequence: Target sequence/sinA sense OTHER INFORMATION: region.
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APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Bibozyme Pharmaceuticals, Inc.
APPLICANT: Bibozyme Pharmaceuticals, Inc.
APPLICANT: Bibozyme James
APPLICANT: Beglelman, Leonid
ITILE OF INVENTION: Expression Using Short Interfering RNA (sinA)
ITILE OF INVENTION: Expression Using Short Interfering RNA (sinA)
ITILE OF INVENTION: Expression Using Short Interfering RNA (sinA)
ITILE OF INVENTION: Expression Using Short Interfering RNA (sinA)
ITILE OF INVENTION: Expression Using Short Interfering RNA (sinA)
ITILE OF INVENTION NUMBER: US 60/386, 600
FRIOR APPLICATION NUMBER: US 60/358, 580
FRIOR APPLICATION NUMBER: US 60/363, 124
FRIOR PILING DATE: 2002-03-11
FRIOR PILING DATE: 2002-03-11
FRIOR PILING DATE: US 60/386, 782
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APPLICANT: Beigelman, Leonid
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase;
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase;
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase;
TITLE OF INVENTION: Expression Using Short Interfering RNA (siNA)
FILE REFERENCE: 02-708-A (400/080)
CURRENT FILING DATE: 2002-07-17
PRIOR PILING DATE: 2002-07-17
PRIOR PILING DATE: 2002-07-17
PRIOR APPLICATION NUMBER: US 60/363,124
PRIOR APPLICATION NUMBER: US 60/363,124
PRIOR APPLICATION NUMBER: US 60/406,784
PRIOR PILING DATE: 2002-06-06
PRIOR PILING DATE: 2002-09-05
PRIOR PILING DATE: 2003-09-05
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Pred. No. (
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CT 21
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Best Local Similarity 63.2%;
Matches 12; Conservative
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SOFTWARE: PatentIn version 3.2
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; ORGANISM: Arabidopsis thaliana
US-09-954-445A-120843
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GRGANISM: Rattus norvegicus
US-60-427-836-342410
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Best Local Similarity 100..
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Matches 14; Conservative
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LENGTH: 25
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GENERAL INFORMATION:
APPLICANT: Mittmann, Michael
TITLE OF INVENTION: Methods of Genetic Analysis of Arabidopsis Thaliana
FILE REFERENCE: 3116.1
CURRENT APPLICATION NUMBER: US/09/954,445A
CURRENT APPLICATION NUMBER: US/09/954,445A
CURRENT APPLICATION NUMBER: 60/233,620
PRIOR PILING DATE: 2000-09-18
NUMBER OF SEQ ID NOS: 131820
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 120839
LENGTH: 25
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US-09-954-445A-120843
; Sequence 120843. Application US/09954445A
; Sequence 120843. Application US/09954445A
; GENERAL INFORMATION:
; APPLICANT: Mithmann, Michael
; TITLE OF INVENTION: Methods of Genetic Analysis of Arabidopsis Thaliana
; CURRENT FILING DATE: 2000-09-17
; PRIOR PAPLICATION NUMBER: 60/233,620
; PRIOR FILING DATE: 2000-09-18
; NUMBER OF SEQ ID NOS: 131820
; SOFTWARE MICROALRAY Probe Sequence Listing Generator V 1.1
                                                                                                                                                                                                                                                                                                                                            ) OTHER INFORMATION: Description of Artificial Sequence: sinA antisense; OTHER INFORMATION: region PCT-US03-04088-275
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100.0%; Pred. No. 0.85;
ive 0; Mismatches 0; Indels
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PRIOR FILING DATE: 2002-06-06
PRIOR APPLICATION NUMBER: US 60/406,784
PRIOR FILING DATE: 2002-08-29
PRIOR FILING DATE: 2002-09-05
PRIOR APPLICATION NUMBER: US 60/409,293
PRIOR APPLICATION NUMBER: US 60/409,293
PRIOR APPLICATION NUMBER: US 60/440,129
PRIOR FILING DATE: 2002-09-09
PRIOR PILING DATE: 2003-01-15
NUMBER OF SEQ ID NOS: 626
SOFTWARE: PALENTIN VERSION 3.2
SEQ ID NO 275
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Matches 14; Conservative 0;
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ORGANISM: Arabidopsis thaliana
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Best Local Similarity 100.(
Matches 19; Conservative
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LENGTH: 25
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TITLE OF INVENTION: Methods of Genetic Analysis of Arabidopsis Thaliana
TITLE OF INVENTION: Methods of Genetic Analysis of Arabidopsis Thaliana
TITLE OF INVENTION: Methods of Genetic Analysis of Arabidopsis Thaliana
CURRENT APPLICATION NUMBER: US/09/954,445A
CURRENT FILING DATE: 2000-09-17
PRIOR FILING DATE: 2000-09-18
NUMBER OF SEQ ID NOS: 13.1820
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
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TITLE OF INVENTION: Methods of Genetic Analysis of Arabidopsis Thaliana
FILE REFERENCE: 3116.1
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GENERAL INFORMATION:
APPLICANT: Xue Mei Zhou
TITLE OF INVENTION: Methods of Genetic Analysis of Rat
FILE REFERENCE: 3527
CURRENT PELLING DATE: 2002-11-20
NUMBER OF SEQ ID NOS: 699466
SOFTWARE Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 312410
LENGTH: 25
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ore 14; DB 7; Lefted. No. 5.2e+02; Mismatches 0;
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Pred. No. 5.2e+02;
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100.0%; Pred. No. 5.2e+02;
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    Score 14;
Pred. No.
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100.0%; Pre
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100.0%; P.L.
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Query Match 45.2%; Sc
Best Local Similarity 100.0%; P
Matches 14; Conservative 0;
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; ORGANISM: Arabidopsis thaliana
US-09-954-445A-120845
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TITLE OF INVENTION: Methods of Genetic Analysis of Arabidopsis Thaliana
FILE REPERENCE: 3116.1
CURRENT APPLICATION NUMBER: US/09/954,445A
CURRENT FILING DATE: 2000-09-17
PRIOR APPLICATION NUMBER: 60/233,620
PRIOR PILING DATE: 2000-09-18
NUMBER OF SEQ ID NOS: 131820
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
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SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 31237
LENGTH: 25
                                                                                                                                                            NUMBER OF SEQ ID NOS: 131820
SOFTWARE Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 31235
LENGTH: 25
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CURRENT APPLICATION NUMBER: US/09/954,445A
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; Sequence 31253, Application US/09954445A
; GENERAL INFORMATION:
                                       CURRENT FILING DATE: 2000-09-17
PRIOR APPLICATION NUMBER: 60/233,620
PRIOR FILING DATE: 2000-09-18
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Best Local Similarity 100.0
Matches 13; Conservative
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LENGTH: 25
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14 GTTTTTCTCGCTG 26

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. LOCATION: (1583792)...(1583815)
; OTHER INFORMATION: Chromosome = 1 Strand = negative ConnectronObjectNumber = 4331 US-10-294-038-3446
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                                                                                                                                                                   APPLICANT: Feldmann, Richard J.; Global Determinants, Inc.
TITLE OF INVENTION: Lactococcus lactis subsp. lactis IL1403 complete g
FILE REFERENCE: Jim Zegeer Law Offices - 703-684-8333
CURRENT APPLICATION NUMBER: US/10/294,038
CURRENT FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 5372
SOFTWARE: Proprietary
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
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TITLE OF INVENTION: Methods of Genetic Analysis of Probes: HG-U133
FILE REFERENCE: 3121
CURRENT APPLICATION NUMBER: US/10/355,577
CURRENT FILING DATE: 2003-01-31
NUMBER OF SEQ 10 NOS: 997516
SOOTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ 1D NO 89370
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: Mittmann, Michael
TITLE OF INVENTION: Methods of Genetic Analysis of Probes: HG-Ul33
FILE REPERENCE: 3121
CURRENT APPLICATION NUMBER: US/10/355,577
CURRENT FILING DATE: 2003-01-31
NUMBER OF SEQ ID NOS: 997516
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
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100.0%; Pred. No. 1.9e+03;
/ative 0; Mismatches 0;
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Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 724663, Application US/10355577 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-10-355-577-88370
; Sequence 88370, Application US/10355577
; GENERAL INFORMATION:
                                                                                                                               ; Sequence 3446, Application US/10294038; GENERAL INFORMATION:
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100.0%; Pre
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12 GTTTTTCTCGCTG 24
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Best Local Similarity 100.
Matches 13; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               13; Conservative
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US-10-355-577-88370
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Best Local Similarity
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US-10-355-577-724663
                                                                                                                 US-10-294-038-3446/c
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LENGTH: 25
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LENGTH: 25
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US-10-355-577-738956
; Sequence 738956
; Sequence 738956
; Sequence 738956
; Settle Canalysis of Deptition US/1035577
; APPLICANT: Mittmann, Michael
; TITLE OF INVENTION: Methods of Genetic Analysis of Probes: HG-U133;
; FILE REFERENCE: 313 UNWBER: US/10/355,577
; CURRENT APPLICATION NUMBER: US/10/355,577
; CURRENT PILING DATE: 2003-01-31
; NUMBER OF SEQ ID NOS: 997516
; SEQ ID NO 738956
; LENGTH: 25
                                                                        Query Match 41.9%; Score 13; DB 9; Length 25; Best Local Similarity 100.0%; Pred. No. 1.9e+03; Matches 13; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match 41.9%; Score 13; DB 9; Length 25; Best Local Similarity 100.0%; Pred. No. 1.9e+03; Matches 13; Conservative 0; Mismatches 0; Indels
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; ORGANISM: Homo sapien
US-10-355-577-738956
; ORGANISM: Homo sapien
US-10-355-577-724663
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Search completed: June 24, 2003, 20:14:43 Job time : 1721.65 secs

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June 23, 2003, 20:01:44 ; Search time 1340.69 Seconds (without alignments) 581.357 Million cell updates/sec
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/ cgnz_6/ptodata/2/pna/US081_COMB.seq:*

/ cgnz_6/ptodata/2/pna/US084_COMB.seq:*

/ cgnz_6/ptodata/2/pna/US084_COMB.seq:*

/ cgnz_6/ptodata/2/pna/US085_COMB.seq:*

/ cgnz_6/ptodata/2/pna/US086_COMB.seq:*

/ cgnz_6/ptodata/2/pna/US081_COMB.seq:*

/ cgnz_6/ptodata/2/pna/US081_COMB.seq:*

/ cgnz_6/ptodata/2/pna/US091_COMB.seq:*

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/ cgnz_6/ptodata/2/pna/US096_COMB.seq:*

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/cgn2_6/ptodata/2/pna/US102B_COMB.seq:
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Compugen Ltd.
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1: /cgn2_6/ptodata/2/pna/PcTUS_C
2: /cgn2_6/ptodata/2/pna/US06_CC
4: /cgn2_6/ptodata/2/pna/US0806_CC
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GenCore version
Copyright (c) 1993 - 2003
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Gapop_60.0 , Gapext 60.0
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pna/US6008
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                                  pna/US6011
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

		æ			SUPERACES	
Result No.	Score	Query Match	Query Match Length	DB	ID	Description
0	22	71.0	30	9	US-08-272-102-22	Sequence 22, Appl
0	22	71.0	30	7	US-08-387-524-18	Sequence 18, Appl
3	22	71.0	30	æ	US-08-472-802A-23	Sequence 23, Appl
Ω 4	22	71.0	30	æ	US-08-472-802B-23	Sequence 23, Appl
C S	22	71.0	30	8	US-08-482-115A-22	Sequence 22, Appl
9 U	22	71.0	30	σ	US-08-520-550-18	Seguence 18, Appl
C 7	22	71.0	30	o	US-08-521-634-40	Sequence 40, Appl
в U	22	71.0	30	10	US-08-660-678-22	Sequence 22, Appl
6 0	22	71.0	30	14	US-09-057-351-22	Sequence 22, Appl
c 10	22	71.0	30	16	US-09-259-943-44	Sequence 44, Appl
c 11	21	67.7	28	8	US-08-472-802A-29	Sequence 29, Appl
c 12	21	67.7	28	8	US-08-472-802B-29	Sequence 29, Appl
c 13	21	67.7	28	80	US-08-482-115A-28	Sequence 28, Appl
c 14	21	67.7	28	σ	US-08-521-634-47	Sequence 47, Appl
c 15	21	67.7	28	14	US-09-057-351-29	Sequence 29, Appl
16	21	67.7	30	7	US-08-387-524-34	Sequence 34, Appl
17	21	67.7	30	σ	US-08-520-550-34	Sequence 34, Appl
18	21	67.7	30	16	US-09-259-943-60	Sequence 60, Appl
19	17	54.8	22	16	US-09-259-943-25	Sequence 25, Appl
20	17	54.8	26	σ	US-08-521-634-8	Sequence 8, Appli
21	14	45.2	22	-	PCT-US99-07886-52	Sequence 52, Appl

Gaps

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Indels

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0; Mismatches

Conservative

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22;
  Matches
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                                                                                        Sequence 120845, Sequence 7, Appli Sequence 31, Appli Sequence 34, Appl Sequence 28, Appl Sequence 28, Appl Sequence 2139, A Sequence 28716, A Sequence 28716, A Sequence 28716, A Sequence 28719, A Sequence 28720, A
                                                                          Sequence 120843,
                            Sequence 52, Ap
Sequence 120839
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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/272,102
FILING DATE: 07-JUL-1994
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Smith, William M
REGISTRATION NUMBER: 30,223
REFERENCE/COMPUTION INFORMATION:
TELECHONE: (415) 326-2400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend Khourie and Crew STREET: 379 Lytton Avenue
    PCT-US99-07886-52

1 US-09-058-968-52

1 US-60-233-620-120843

1 US-60-233-620-120845

1 US-60-233-620-120845

1 US-09-404-520-38793

1 US-09-601-267-31

2 US-09-601-267-31

2 US-09-601-267-31

2 US-09-601-267-31

2 US-09-956-604-28714

5 US-09-956-604-28716

6 US-09-956-604-28716

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US-09-956-604A-28714
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: FENG, Junia
APPLICANT: FUNK, Walter
APPLICANT: FUNK, Walter
ITILE OF INVENTION: HUMAN TELOMERASE
NUMBER OF SEQUENCES: 24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 22, Application US/08272102
GENERAL INFORMATION:
APPLICANT: VILLEPONTEAU, Bryant
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TELEFAX: (415) 326-2422
INFORMATION FOR SEQ ID NO: 3
SEQUENCE CHARACTERISTICS:
LENGTH: 30 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   single
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CITY: Palo Alto
STATE: California
COUNTRY: US
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STRANDEDNESS: sing
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US-08-272-102-22
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Length 30;

71.0%; Score 22; DB 6; 100.0%; Pred. No. 0.068;

Query Match Best Local Similarity

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                                                                                                                                                                                                           APPLICANT: Feng, Junii
APPLICANT: Feng, Junii
APPLICANT: Funk, Walter
APPLICANT: Greider, Carla
APPLICANT: Willeponteau, Bryant
TITLE OF INVENTION: RNA Component of Telomerase
NUMBER OF SEQUENCES: 42
CORRESPONDENCES: 42
CORRESPONDENCE ADDRESS:
ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
STREET: Two Militia Drive
CITY: Lexington
STATE. M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COMPOURE: IBM PC compatible
COMPENTING SYSTEM: PC-DOS/NS-DOS
SOCTIMARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/387,524
FILING DATE: 13-FEB-1995
CLASSIFICATION: 435
PRICK APPLICATION DATA:
APPLICATION NUMBER: US 08/330,123
FILING DATE: 27-OCT-1994
FILING DATE: 27-OCT-1994
FILING DATE: 07-OUL-1994
ATTORNEY/AGENT INFORMATION:
NAME: GRANABAR: 32,227
REGISTRATION NUMBER: 32,227
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   0.068;
0;
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US-08-472-802A-23/c
Sequence 23, Application US/08472802A
; GENERAL INFORMATION:
APPLICANT: Villeponteau, Bryant
; APPLICANT: Feng, Jun11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 CTCCCCGCGCGCTGTTTTCTC 22
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                                                                                                                                                   Sequence 18, Application US/08387524
GENERAL INFORMATION:
APPLICANT: Andrews, William H.
                                                                                                                                                                                                  Andrews, William H. Avilion, Ariel A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TELECOMMUNICATION INFORMATION TELEPHONE: 617-861-6240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                , MOLECULE TYPE: DNA (genomic) US-08-387-524-18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TELEFAX: 617-861-9540
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 30 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: nucleic acid
STRANDEDNESS: single
1 CTCCCCGCGCGCGCTGT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ZIP: 02173
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       linear
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                                                                                                                                  US-08-387-524-18/c
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Length 30;
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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
SOCTAME: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/482,115A
FILING DATE: 07-JUN-1995
CLASSIFICATION NUMBER: US 08/330,123
FILING DATE: 27-OCT-1994
ATORNEY/AGENT INFORMATION:
NAME: Smith, William M
REGISTRATION NUMBER: 30,223
REFERENCE/POCKET NUMBER: 15389-000830
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
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GENERAL INFORMATION:
APPLICANT: VILLEPONTRAU, Bryant
APPLICANT: FUNK, Walter
APPLICANT: FUNK, Walter
TITLE OF INVENTION: HUMAN TELOMERASE
TITLE OF SEQUENCES: 34
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Crew LLP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match 71.0%; Score 22; DB 8; Le
Best Local Similarity 100.0%; Pred. No. 0.068;
Matches 22; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    STREET: Two Embarcadero Center, 8th Floor
CITY: San Francisco
STATE: California
                                                                                             PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/272,102
FILING DATE: 07-JUL-1994
FILING DATE: 07-JUL-1994
FILING DATE: 07-CT-1994
APPLICATION NUMBER: US 08/330,123
FILING DATE: 27-OCT-1994
ATTORNEY/AGENT INFORMATION:
RAME: Smith, William M.
REFERENCE/DOCKET NUMBER: 15389-000820
TELECOMMUNICATION INFORMATION:
             US/08/472,802B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 CICCCCCCCCCCCTGITITICIC 22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TELEPHONE: (415) 576-0200 TELEPAX: (415) 576-0300 INFORMATION FOR SEQ ID NO: 23: SEQUENCE CHARACTERISTICS: LENGTH: 30 base pairs
                                      07-JUN-1995
1: 514
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (415) 326-2400
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: nucleic acid
STRANDEDNESS: single
             APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ; MOLECULE TYPE: DNA
US-08-472-802B-23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 linear
                                         FILING DATE: 07
CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-08-482-115A-22/C
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TELEFAX:
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                                                                                                                                                                                                                                                                                                                    CUDNIKK: U.S. A.

CUNTER SEADABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/472,802A
FLING DATE: 07-JUN-1995
CLASSIFICATION DATA:
APPLICATION NUMBER: US 08/272,102
FILING DATE: 07-JUL-1994
PRIOR APPLICATION NUMBER: US 08/330,123
FILING DATE: 27-OCT-1994
ATPONEY/AGENT INPORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-08-472-802B-23/c

Sequence 23, Application US/08472802B

Sequence 23, Application US/08472802B

APPLICANT: Villeponteau, Bryant
APPLICANT: Peng, Junii
APPLICANT: Andrews, William H.

TITLE OF INVENTION: Mammalian Telomerase
NUMBER OF SEQUENCES: 43

CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
CONTRY: USA
ZIP: 94111-3834

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SUSTFARRE: PATENTIN PARSE: PC-DOS/MS-DOS
SUSTFARRE: PATENTIN PARSE: PLOS/MS-DOS
SUSTFARRE: PATENTIN PARSE: PATENTIN PATENTIN PARSE: PATENTIN PATENTIN PARSE: PATENTIN PATENTIN PARSE: PATENTIN PATENTI
                                                                                                                                                               E: Townsend and Townsend and Crew LLP
Two Embarcadero Center, Bighth Floor
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
REGISTRATION NUMBER: 32,944
REGISTRATION NUMBER: 15389-000820
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
INFORMATION FOR SEQ ID NO: 23:
SEQUENCE CHARACTERISTICS:
LENGTH: 30 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Mismatches
APPLICANT: Funk, Walter
APPLICANT: Andrews, William H.
TITLE OF INVENTION: Mammalian Telomerase
NUMBER OF SEQUENCES: 40
CORRESONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Co
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match 71.0%; Sc
Best Local Similarity 100.0%; P
Matches 22; Conservative 0;
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CURRENT APPLICATION DATA:
                                                                                                                                                                                                     STREET: Two Embarcade CITY: San Francisco STATE: California COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               nucleic acid
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   Indels
                                                                                                                                                                                                                                                                                                                 APPLICANT: Feng, Junia
APPLICANT: Feng, Junia
APPLICANT: Feng, Junia
APPLICANT: Funk, Walter
APPLICANT: Funk, Walter
TITLE OF INVENTION: Mammalian Telomerase
NUMBER OF SEQUENCES: 66
CORRESPONDENCE ADDRESS:
ADDRESSES: Townsend and Townsend and Crew
STREET: One Market Plaza, Steuart Tower, Suite 2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
SOCTAMER: PatentIN Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/521,634
FILING DATE: 31.AUG-1995
CLASSIFICATION DATA:
APPLICATION NUMBER: US 08/482,115
FILING DATE: 7-UU-1995
FILING DATE: 7-UU-1995
FILING DATE: 7-UU-1994
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100.0%; Pred. No. 0.068;
tive 0; Mismatches
   0; Mismatches
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US-08-660-678-22/c
; Sequence 22, Application US/08660678
                                                               1 CTCCCCGCGCGCTGTTTTCTC 22
                                                                                                                                                                                                                                                             Sequence 40, Application US/08521634 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              REFERENCE/DOCKET NUMBER: 15
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-326-2400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TOPOLOGY: linear MOLECULE TYPE: DNA (primer)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ZIP: 94105
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match 71.0
Best Local Similarity 100.
Matches 22; Conservative
         Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CITY: San Francisco
STATE: California
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       STRANDEDNESS
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            22;
            Matches
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                                                                                                                                                                                                                                                                       DB 8; Length 30; 0.068;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 MEDIUM TIPE: FIDDRY GIBE
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOCTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/520,550
FILING DATE: 29-MG-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/387,524
FILING DATE: 13-FEB-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/330,123
FILING DATE: 27-OCT-1994
PTILING DATE: 07-UL-1994
PTILING DATE: 07-UL-1994
ATTORNEY/AGENT INFORMATION:
NAME: GRANARAITON:
NAME: GRANARAITON:
REGISTRATION NUMBER: 32,227
REFERENCE/DOCKET NUMBER: CSHL94-05A3B
TELECOMMUNICATION INFORMATION:
TELEEPHONE: 617-661-6240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       E: Hamilton, Brook, Smith & Reynolds, P.C.
Two Militia Drive
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Villeponteau, Bryant
TITLE OF INVENTION: RNA Component of Telomerase
NUMBER OF SEQUENCES: 43
                                                                                                                                                                                                                                                                       Ouery Match, 71.0%; Score 22; DB Best Local Similarity 100.0%; Pred. No. 0.0 Matches 22; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 71.0%; Score 22;
100.0%; Pred. No.
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Funk, Walter
Greider, Carol
Marhuenda, Maria A. B.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Application US/08520550
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ZIP: 02173
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
            ; INFORMATION FOR SEQ ID NO: ;
; SEQUENCE CHARACTERISTICS:
; LENGTH: 30 base pairs
; TYPE: nucleic acid
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
US-08-482-115A-22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TELEFAX: 617-661-9540
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 30 base pairs
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TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CORRESPONDENCE ADDRESS:
ADDRESSEE: Hamilton,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   STREET: Two ...
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-08-520-550-18
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0.068;
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IBM PC compatible
SYSTEM: PC-DOS/MS-DOS
Patentin Release #1.0, Version #1.30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: Avilion, Ariel A.
APPLICANT: Feng, Junli
APPLICANT: Funk, Walter
APPLICANT: Greider, Carol
APPLICANT: Marhuenda, Maria A.B.
APPLICANT: Villeponteau, Bryant
TITLE OF INVENTION: RNA Component of Telomerase
FILE REFERENCE: CSHL94-05A7
                                                                                                                                                                                                                                                                                                                                                           NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
REGISTRATION NUMBER: 015389-000821US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match 71.0%; Score 22; DB Best Local Similarity 100.0%; Pred. No. 0.0 Matches 22; Conservative 0; Mismatches
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SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 44
LENGTH: 30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CURRENT APPLICATION NUMBER: US/09/259,943 CURRENT FILING DATE: 1999-03-01
                                                                           APPLICATION NUMBER: US/09/057,351
FILING DATE: 08-APR-1994
CLASSIPECATION: 435
RLOA APPLICATION BATA:
APPLICATION NUMBER: US 08/272,102
FILING DATE: 07-UL-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/330,123
FILING DATE: 27-OCT-1994
PRIOR APPLICATION NUMBER: US 08/330,123
FILING DATE: 07-UN-1995
FILING DATE: 07-UN-1995
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          EARLIER APPLICATION NUMBER: 08/623,166
EARLIER PILING DATE: 1996-03-28
EARLIER APPLICATION NUMBER: 08/520,550
EARLIER FILING DATE: 1995-08-29
EARLIER PILING DATE: 1995-06-07
EARLIER APPLICATION NUMBER: 08/485,778
EARLIER APPLICATION NUMBER: 08/387,524
EARLIER FILING DATE: 1995-06-13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      EARLIER APPLICATION NUMBER: 08/330,123
EARLIER FILING DATE: 1994-10-27
EARLIER APPLICATION NUMBER: 08/272,102
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 44, Application US/09259943 GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Andrews, William H.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TELEFAX: (415) 576-0300 INFORMATION FOR SEQ ID NO: 2 SEQUENCE CHARACTERISTICS:
                                                              CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 CTCCCGCGCGCTGTT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             30 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        22 creceeeeee
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               nucleic acid
                 OPERATING SYSTEM:
SOFTWARE: PatentI
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US-09-057-351-22
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                                                                                                                                                                                                                                                                                                                                                                                 SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/660,678
                                                                                           STREET: Two Embarcadero Center, 8th Floor CITY: San Francisco STATE: California COUNTRY: US
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           STATE: California
COUNTR: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Feng, Junii
APPLICANT: Funk, Walter
APPLICANT: Andrews, William H.
APPLICANT: Andrews, William H.
NUMBER OF SEQUENCES: 42
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Commend and Co
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FELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                         FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/330,123
FILING DATE: 27-CCT-1994
PRIOR APPLICATION NUMBER: US 08/272,102
FILING DATE: 07-UUL-1994
ATTORNEY/AGENT INFORMATION:
NAME: Smith, William M
REGISTRATION NUMBER: 30,233
                                   APPLICANT: FENG, Junia
APPLICANT: FUNK, Walter
PAPLICANT: ANDREWS, William H.
TITLE OF INVENTION: HUMAN TELOMERASE
NUMBER OF SEQUENCES: 25
CARRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend ar
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 CICCCGCGCGCTGTTTTCTC 22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 22, Application US/09057351 GENERAL INFORMATION:
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                    LLEPONTEAU, Bryant
                                                                                                                                                                                                                                                                                                                   MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TELEFAX: (415) 326-2422
INFORMATION FOR SEQ ID NO: 22:
SEQUENCE CHARACTERISTICS:
LENGTH: 30 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (415) 326-2400
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COMPUTER READABLE FORM:
MEDIUM TYPE: Ploppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
Best Local Similarity 100.
Matches 22, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             nucleic acid
EDNESS: single
                                                                                                                                                                                                                                                                                               COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         MOLECULE TYPE: DNA
GENERAL INFORMATION:
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APPLICANT: Villeponteau, Bryant
APPLICANT: Feng, Junli
APPLICANT: Andrews, William H.
TITLE OF INVENTION: Mammalian Telomerase
NUMBER OF SEQUENCES: 43
CORRESPONDENCE ADDRESS:
Sequence 29, Application US/08472802B
                    GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         셤
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                                                                                                              Length 30;
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                                                                                                                                                         0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SOFTWARE: Patentin Release #1.0, Version #1.30 CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/472,802A FILING DATE: 07-JUN-1995 CLASSIFICATION: 514
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADDRESSEE: Townsend and Townsend and Crew LLP STREET: Two Embarcadero Center, Eighth Floor CITY: San Francisco STATE: California
                                                                                                         71.0%; Score 22; DB 16;
100.0%; Pred. No. 0.068;
trive 0; Mismatches 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 21; DB 8;
Pred. No. 0.25;
                             ; FEATURE:
; OTHER INFORMATION: Synthetic oligonucleotides
US-09-259-943-44
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CLASSIFICATION 514
PULDASJIFICATION DATA:
APPLICATION NUMBER: US 08/272,102
FILING DATE: 07-011-1994
PRICRA PEPLICATION DATA:
APPLICATION NUMBER: US 08/330,123
FILING DATE: 27-06T-1994
ATTORNEY/AGENT INFORMATION:
NAME: Storella, John R.
REFERENCE/DOCKET NUMBER: 15389-000820
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match 67.7%; Score 21; DB Best Local Similarity 100.0%; Pred. No. 0.2 Matches 21; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: Villeponteau, Bryant
APPLICANT: Feng, Junli
APPLICANT: Funk, Walter
APPLICANT: Andrews, William H.
TITLE OF INVENTION: Mammalian Telomerase
NUMBER OF SEQUENCES: 40
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ZIP: 94111-3834
COMPUTER REAABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IEM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                  US-08-472-802A-29/c
; Sequence 29, Application US/08472802A
; GENERAL INFORMATION:
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         ORGANISM: Artificial Sequence
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INFORMATION FOR SEQ ID NO: 2
SEQUENCE CHARACTERISTICS:
                                                                                                                Query Match 71.0 Best Local Similarity 100. Matches 22; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       , MOLECULE TYPE: DNA
US-08-472-802A-29
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                                                                                                                                                                                                                                                                                                                           MEDIUM TIEPE FIDENCE COMPUTER: FIDENCE COMPUTER: IBM PC COMPATIBLE COMPUTER: IBM PC COMPATIBLE COMPUTER: IBM PC COMPATIBLE SECTION SYSTEM: PC-DOS/MS-DOS SOCTAME: PATENTING SYSTEM: PC-DOS/MS-DOS SUGNEMATE: BATENTIN BATA: APPLICATION NUMBER: US/08/472,802B FILING DATE: 07-JUN-1994
PRIOR APPLICATION DATA: APPLICATION NUMBER: US 08/272,102
FILING DATE: 27-JUN-1994
PRIOR APPLICATION NUMBER: US 08/330,123
FILING DATE: 27-OCT-1994
ATTORNEY/AGENT INFORMATION: NAME: Smith, William M. NAME: Smith, William M. REFERENCE/DOCKET NUMBER: 15389-000820
TELECOMMUNICATION INFORMATION: MILITALIAN INFORMATION: MADE: MIL
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GENERAL INFORMATION:
APPLICANT: VILLEPONTEAU, Bryant
APPLICANT: FUNK, Junil
APPLICANT: ANDREWS, William H.
TITLE OF INVENTION: HUMAN TELOMERASE
NUMBER OF SEQUENCES: 34
CORRESSONDENCE ADDRESS:
ADDRESSEE: Townsend and Crew LLP
ADDRESSEE: Townsend and Townsend and Crew LLP STREET: Two Embarcadero Center, Eighth Floor
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100.0%; Pre
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                                                                                                                                                                    COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 2
SEQUENCE CHARACTERISTICS:
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Best Local Similarity 100.0
Matches 21, Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            STRANDEDNESS: single
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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
                                            STREET: Two Embarcad
CITY: San Francisco
STATE: California
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US-08-482-115A-28/c
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MESULT 12 US-08-472-802B-29/c

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CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/057,351
FILING DATE: 08-APR-1994
CLASSIFICATION NUMBER: US/09/057,351
FILING DATE: 08-APR-1994
CLASSIFICATION DATA:
APPLICATION NUMBER: US 08/272,102
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/330,123
FILING DATE: 07-JUL-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/330,123
FILING DATE: US 08/310,123
FILING DATE: US 08/310,123
ATTORNEY/AGENT INFORMATION:
NAMME: SLOTE-118, JOHN R.
REGISTRATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 015389-000821US
TIELECOMMUNICATION INFORMATION:
MATERIALION NUMBER: 015389-000821US
TIELECOMMUNICATION INFORMATION:
MATERIALION NUMBER: 01508041US
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GENERAL INFORMATION:
APPLICANT: Villeponteau, Bryant
APPLICANT: Feng, Junil
APPLICANT: Funk, Walter
APPLICANT: Andrews, William H.
ITILE OF INVENTION: Mammalian Telomerase
NUMBER OF SEQUENCES 42
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADDRESSEE: Townsend and Townsend Lighth Floor STREET: Two Embarcadero Center, Bighth Floor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         DB 9;
                    APPLICATION NUMBER: US 08/272,102
FILING DATE: 7-UUL-1994
ATTORNEY/AGENT INFORMATION:
NAME: Dunn, Tracy J.
REGISTRATION NUMBER: 34,587
REFERENCE/DOCKET NUMBER: 15389-000850
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-326-2402
INFORMATION FOR SEQ ID NO: 8EQUENCE CHARACTERISTICS:
LENGTH: 28 base pairs
TYPE: nucleic acid
STRANDENNESS: Single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ch 67.7%; Score 21; DB 11 Similarity 100.0%; Pred. No. 0.2 21; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                        TOPOLOGY: linear
MOLECULE TYPE: DNA (oligonucleotide)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ZIP: 94111-3834
COMPUTER REALABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SEQUENCE CHARACTERISTICS
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       PRIOR APPLICATION DATA:
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CITY: San Prancisco
STATE: California
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Best Local Similarity
Matches 21; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 21; DB 8; Length 28;
Pred. No. 0.25;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADDRESSEE: Townsend and Townsend and Crew
STREET: One Market Plaza, Steuart Tower, Suite 2000
CITY: San Francisco
STATE: California
COUNTRY: USA
                                      CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/482,115A

FILING DATE: 07-JUN-1995

CLASSIPICATION NUMBER: US/08/482,115A

FILING APPLICATION NUMBER: US/08/330,123

PILING APPLICATION DATA:

APPLICATION NUMBER: US/08/330,123

FILING DATE: 07-OCT-1994

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/08/212,102

FILING DATE: 07-OLL-1994

ATTORNEY/AGENT INFORMATION:

NAMME: SMILT, WILLIAM M

REGISTRATION NUMBER: 15389-000830

TELEPHONE: (415) 326-2400

TELEPHONE: (415) 326-2422

INFORMATION FOR SEQ ID NO: 28:

SEQUENCE CHARACTERISTICS:

LENGTH: 28 base pairs

TYPE: nucleic acid

TYPE: TOWNEDNES: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IMP PC COMPATIBLE
COMPUTER: IMP PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/NS-DOS
SOGTWARE: Patentin Release #1.0, Version #1.25
SOGTWARE: Datentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/521,634
FLIING DATE: 31-AUG-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/482,115
FLIING DATE: 7-UN-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/472,802
FLIING DATE: 7-UN-1995
PRIOR APPLICATION NUMBER: US 08/472,802
FLIING DATE: 7-UN-1995
PRIOR APPLICATION NUMBER: US 08/472,802
FLIING DATE: 7-UN-1995
PRIOR APPLICATION NUMBER: US 08/330,123
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: Vileponteau, Bryant
APPLICANT: Feng, Junli
APPLICANT: Funk, Walter
APPLICANT: Andrews, William
TITLE OF INVENTION: Mammalian Telomerase
NUMBER OF SEQUENCES: 66
CORRESPONDENCE ADDRESS:
IBM PC compatible
YSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 47, Application US/08521634 GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity 100.0%; P. Matches 21; Conservative 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TOPOLOGY: linear MOLECULE TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-08-521-634-47/c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-08-482-115A-28
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Query Match 67.7%; Score 21; DB 14; Length 28; Best Local Similarity 100.0%; Pred. No. 0.25; Matches 21; Conservative 0; Mismatches 0; Indels 1 CTCCCCGCGCGCTGTTTTTCT 21
21 CTCCCCGCGCGCTGTTTTTCT 1 TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
WOLECULE TYPE: DNA
US-09-057-351-29 ò

0

0; Gaps

Search completed: June 24, 2003, 18:22:28 Job time : 1340.69 secs

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Sequence 120100, Sequence 121313, Sequence 121314, Sequence 84, Appl Sequence 145, App Sequence 12, Appl Sequence 12, Appl

Sequence 84 Sequence Sequence

Sequence 118880,

Sequence 2, Appli Sequence 18, Appl Sequence 51, Appl Sequence 51, Appl Sequence 76, Appl Sequence 27, Appli Sequence 237, Appli Sequence 54, Appli

Sequence 543, 1 Sequence 543, 1 Sequence 543, 1 Sequence 543, 1 Sequence 543,

Word size :

Searched:

Sequence:

Database :

Result

OM nucleic

Run on:

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COMPUTER READABLE FORM:
MEDIUM TYPE: 1834

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
MEDIUM TYPE: Floppy disk
MEDIUM TYPE: Floppy disk
MEDIUM TYPE: BW PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/057,351
FILING DATE: 04-APR-1994
APPLICATION NUMBER: US 08/272,102
FILING DATA:
APPLICATION NUMBER: US 08/330,123
FILING DATA: 27-OCT-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/330,123
FILING DATE: 27-OCT-1994
PRIOR APPLICATION NUMBER: US 08/472,802
FILING DATE: 07-JUN-1995
ATTORNEY/AGENT INFORMATION:
NAME: SCORELLA JOHN R.
REGISTRATION NUMBER: 32,944
REGISTRATION NUMBER: 015389-000821US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
US-10-098-263B-118880
US-10-098-263B-120100
US-10-098-263B-121313
US-09-932-367A-84
US-09-932-367A-84
US-09-9145
US-09-870-159-145
US-09-769-779-145
US-09-769-784-80
US-09-245-802-84
0 US-09-245-802-129
0 US-09-870-162A-40
0 US-09-870-162A-40
0 US-09-870-162A-40
0 US-09-870-162A-40
0 US-09-870-162A-40
0 US-09-953-318-76
0 US-09-810-560-6
0 US-09-918-295A-543
US-09-978-295A-543
US-09-978-189-543
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADDRESSEE: Townsend and Townsend and Crew LLP STREET: Two Embarcadero Center, Eighth Floor CITY: San Francisco CTTY: San Francisco COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Villeponteau, Bryant
APPLICANT: Feng, Juni,
APPLICANT: Funk, Walter
APPLICANT: Andrews, William H.
TITLE OF INVENTION: Mammalian Telomerase
CORRESPONDENCES.
                                                                                                                                                                                                                                                                                                                                                                                               ALIGNMENTS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ; Sequence 22, Application US/09057351; Patent No. US20010034439A1
    GENERAL INFORMATION:
    US-09-057-351-22/c
                RESULT 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 22, Appl
Sequence 29, Appl
Sequence 1585, Ap
Sequence 170, Appl
Sequence 48907, A
Sequence 699, Appl
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   98, Appl
17, Appl
84, Appl
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               54070, A
60378, A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   48908, 1
                                                                                              June 23, 2003, 20:29:49 ; Search time 377.636 Seconds (without alignments) 120.460 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 18868,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Description
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence Sequence Sequence
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Sequence (
Sequence 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence
                                                                                                                                                                                                                                                                                                                                                                                                     Published Applications NA:*

1: /cgn2_6/ptodata/2/pubpna/USO7_PUBCOMB.seq:*
2: /cgn2_6/ptodata/2/pubpna/PCT_MBW_PUB.seq:*
3: /cgn2_6/ptodata/2/pubpna/USO6_NBW_PUB.seq:*
4: /cgn2_6/ptodata/2/pubpna/USO6_NBW_PUB.seq:*
5: /cgn2_6/ptodata/2/pubpna/USO6_NBW_PUB.seq:*
6: /cgn2_6/ptodata/2/pubpna/USO7_NBW_PUB.seq:*
7: /cgn2_6/ptodata/2/pubpna/USO8_NBW_PUB.seq:*
8: /cgn2_6/ptodata/2/pubpna/USO8_NBW_PUB.seq:*
9: /cgn2_6/ptodata/2/pubpna/USO9_NBW_PUB.seq:*
10: /cgn2_6/ptodata/2/pubpna/USO9_NBW_PUB.seq:*
11: /cgn2_6/ptodata/2/pubpna/USO9_NBW_PUB.seq:*
11: /cgn2_6/ptodata/2/pubpna/USO9_NBW_PUB.seq:*
13: /cgn2_6/ptodata/2/pubpna/USO9_NBW_PUB.seq:*
14: /cgn2_6/ptodata/2/pubpna/USO0_NBW_PUB.seq:*
14: /cgn2_6/ptodata/2/pubpna/USO0_NBW_PUB.seq:*
14: /cgn2_6/ptodata/2/pubpna/USO0_NBW_PUB.seq:*
                GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0 US-09-057-351-22

0 US-09-057-351-29

0 US-09-95-373-3585

0 US-09-992-665-170

US-09-992-665-170

US-09-992-665-170

US-09-932-367A-99

US-09-932-367A-99

US-09-932-367A-99

US-09-932-367A-99

US-09-944-160-17

US-10-098-2638-18868

US-10-098-2638-18868

US-10-098-2638-18868

US-10-098-2638-18868

US-10-098-2638-18968

US-10-098-2638-18868

US-10-098-2638-18868

US-10-098-2638-47761
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-10-098-263B-54070
US-10-098-263B-60378
US-10-098-263B-63628
US-10-098-263B-118879
                                                                                                                                                                                1 CTCCCCGCGCGCTGTTTTTCTCGCTGACTTT 31
                                                                                                                                                                                                                                                                                                       Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                    1042519 segs, 733713590 residues
                                                                                                                                             US-08-770-564A-1_COPY_350_380
31
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                                                                     nucleic search, using sw model
                                                                                                                                                                                                                                                                                                                                                                                Post-processing: Listing first 45 summaries
                                                                                                                                                                                                          OLIGO_NUC
Gapop_60.0 , Gapext 60.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query
Match Length DB
                                                                                                                                                                                                                                                                                                                                     Minimum DB seq length: 0 Maximum DB seq length: 50
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0
                                                                                                                                                      Title:
Perfect score:
                                                                                                                                                                                                            Scoring table:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score
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118879

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APPLICANT: BRIDWELL, Jeanne L.
APPLICANT: BRIDWELL, Jeanne L.
APPLICANT: BRIDWELL, Jeanne L.
APPLICANT: PARKER, Grefchen E.
APPLICANT: PRICE, Jeffrey R.
APPLICANT: SHOWALTER, Aaron D.
APPLICANT: SHOWALTER, Aaron D.
APPLICANT: SLOOP, Kyle W.
TITLE OF INVENTION: GENERATION OF DIAGNOSTIC TOOLS TO ASSAY THE HUMAN
TITLE OF INVENTION: GENERATION OF DIAGNOSTIC TOOLS TO ASSAY THE HUMAN
TITLE OF INVENTION: GENERATION OF DIAGNOSTIC TOOLS TO ASSAY THE HUMAN
TITLE OF INVENTION: LAKE POLICAL SOURCE TO TOOLS TO ASSAY THE HUMAN
TITLE OF INVENTION WIMBER: US/09/932,367A,
CURRENT FILING DATE: 2001-02-17
PRIOR APPLICATION NUMBER: US 60/121,110
PRIOR APPLICATION NUMBER: US 60/121,110
PRIOR APPLICATION NUMBER: US 60/121,110
PRIOR PLING DATE: 1999-02-22
NUMBER OF SEQ ID NOS: 113
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 36
LENGTH: 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
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; OTHER INFORMATION: Description of Artificial Sequence: PCR primer
US-09-932-367A-36
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ;
0
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                                                                                                                                                                                                                                                                        GENERAL INFORMATION:
APPLICANT: Effertz, Noger J.
APPLICANT: Hauge, Brian M.
TITLE OF INVENTION:
FILE REPERENCE: 38-10(52679)A
CURRENT APPLICATION NUMBER: US/09/969,373
CURRENT FILING DATE: 2001-10-02
FRIOR APPLICATION NUMBER: US 09/754,853
FRIOR APPLICATION NUMBER: US 09/754,853
FRIOR PILING DATE: 2001-01-05
FRIOR PILING DATE: 2001-01-05
FRIOR PILING DATE: 2001-01-13
FRIOR FILING DATE: 2001-01-13
FRIOR FILING DATE: 2001-05-15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  DB 10; Length 19;
1e+03;
thes 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 20;
0; Indels
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100.0%; Pred. No. 1e+03;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        100.0%; Prec. ...
  0; Mismatches
                                                                                                                                                                                                                                         Sequence 3585, Application US/09969373 Patent No. US20020133852A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 36, Application US/09932367A
Publication No. US20030027152A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: DNA
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity 100.
Matches 12; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: RHODES, Simon J.
  21; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: DNA
CORGANISM: Glycine max
US-09-969-373-3585
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity
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                                                                                                                                                                                                                US-09-969-373-3585
     Matches
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                                                                                                                                                                                                                                                                           Length 30;
                                                                                                                                                                                                                                                                                                                                0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
SUFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/057,351
FLING DATE: 00-APR-1994
CLLASSIPICATION: 435
RILNG DATE: 07-UL-1994
PRIOR APPLICATION NUMBER: US 08/330,123
FILING DATE: 27-CT-1994
PRIOR APPLICATION NUMBER: US 08/330,123
FILING DATE: 07-UN-1995
ATTORNEY/AGENT INFORMATION:
NAME: SCORELLA JOHN R.
REGISTRATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 015389-000821US
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                           DB 10;
0.0021;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADDRESSEE: Townsend and Townsend and Crew LL. STREET: Two Embarcadero Center, Eighth Floor CITY: San Francisco
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      67.7%; Score 21; DB 10; 100.0%; Pred. No. 0.0077;
                                                                                                                                                                                                                                                                        Query Match 71.0%; Score 22; DB Best Local Similarity 100.0%; Pred. No. 0.0 Matches 22; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Villeponteau, Bryant
APPLICANT: Feng, Junli
APPLICANT: Funk, Walter
APPLICANT: Andrews, William H.
TITLE OF INVENTION: Mammalian Telomerase
NUMBER OF SEQUENCES: 42
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 29, Application US/09057351
Patent No. US20010034439A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TELEPHONE: (415) 576-0200
TELEPAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
  TELEFAX: (415) 576-0300 INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
                                                                                ; LENGTH: 30 base pairs
; TYPE: nucleic acid
; STRANDENESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
US-09-057-351-22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 28 base pairs
nucleic acid
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ADDRESSEE: Townsend
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        MOLECULE TYPE: DNA
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Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      JS-09-057-351-29/c
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L.ON.

L.JON.

L.JON.

L.JON.

MHODES, Simon J.

L.APLICANT: BRIDWELL, Jeanne L.

APPLICANT: PRICE, Jeffrey R.

APPLICANT: PRICE, Jeffrey R.

APPLICANT: SHOWALTER, Aaron D.

APPLICANT: SHOWALTER, Aaron D.

APPLICANT: SHOWALTER, Aaron D.

TITLE OF INVENTION: LAXAPLEM/LIM/1M-3 FACTOR

TITLE REFERENCE: 05384-503

CURRENT APPLICATION NUMBER: US/09/932,367A

CURRENT APPLICATION NUMBER: US/09/932,367A

CURRENT APPLICATION NUMBER: US/09/932,367A

CURRENT PILING DATE: 2001-08-17

PRIOR FILING DATE: 1999-02-22

RIOR PILING DATE: 1999-02-22

NUMBER OF SEQ ID NOS: 113

SEQ ID NO 98

LEAGTH: 28

TYPE: DAA

PERATIDE

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FERATION

FERATIDE

FERA
                                  APPLICANT: PREIER, Bradley C.
APPLICANT: PRICE, Jeffrey R.
APPLICANT: SHOWALTER, Aaron D.
APPLICANT: SHOWALTER, Aaron D.
APPLICANT: SHOWALTER, Aaron D.
APPLICANT: SHOWALTER, Aaron D.
APPLICANT: SLOOP, Kyle W.
TITLE OF INVENTION: LHX3/P-LIM/LIM-3 FACTOR
FILE REPERENCE: 053884-5003
CURRENT APPLICATION NUMBER: US/09/932,367A
CURRENT APPLICATION NUMBER: PCT/08-017
PRIOR APPLICATION NUMBER: PCT/08-017
PRIOR APPLICATION NUMBER: US 60/121,110
PRIOR APPLICATION NUMBER: US 60/121,110
PRIOR APPLICATION NUMBER: US 60/121,110
SROOTWARE: PatentIn Ver. 2.1
SEQ ID NOS: 113
SEQ ID NO 89
LIBRICH: 28
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ; OTHER INFORMATION: Description of Artificial Sequence: PCR primer US-09-932-367A-89
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Pred. No. 1e+03;
0; Mismatches (
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Best Local Similarity 100.0%;
Matches 12; Conservative 0
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Best Local Similarity
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Sequence 170, Application US/09992665

Publication No. US2030092009A1

GENERAL INFORMATION:

APPLICANT: Kaia Palm

TITLE OF INVENTION: DIAGNOSIS AND TREATMENT OF NEOPLASTIC DISEASE

TITLE OF INVENTION: DIAGNOSIS AND TREATMENT OF NEOPLASTIC DISEASE

PILE REFERENCE: CEMINES. 002A

CURRENT APPLICATION NUMBER: US/09/992,665

CURRENT APPLICATION NUMBER: 60/249,508

PRIOR APPLICATION NUMBER: 60/249,508

PRIOR PILING DATE: 2000-11-1

NUMBER OF SEQ ID NOS: 380

SOFTWARE: PRESENCE FREESE OF WINDOWS VERSION 4.0

IENGTH: 25
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Sequence 48907, Application US/10098263B
Publication No. US20030104410A1
GENERAL INFORMATION:
JEDERAL INFORMATION:
JETILE REFERENCE: 3118.1
CURRENT APPLICATION NUMBER: US/10/098,263B
CURRENT APPLICATION NUMBER: US/276,759
PRIOR PILING DATE: 2003-01-08
PRIOR FILING DATE: 2001-03-16
JENGRARE: Microarray Probe Sequence Listing Generator V 1.1
LENGTH: 25
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1e+03;
hes 0; Indels
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   0; Indels
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0; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ORGANISM: Artificial Sequence
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Best Local Similarity 100.
Matches 12; Conservative
12; Conservative
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                                                            1 CTCCCCGCGCGC 12
                                                                                           18 CTCCCGCGCGC 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ; OTHER INFORMATION: Probe US-09-992-665-170
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; ORGANISM: Homo sapien
US-10-098-263B-48907
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US-09-932-367A-89/c
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Matches
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US-10-098-263B-36074

Sequence 36074, Application US/10098263B

Publication No. US20030104410A1

GENERAL INFORMATION:
TITLE OF INVENTION: Human Microarray

FILE REFERENCE: 3118.118.108.108.

CURRENT APPLICATION NUMBER: US/10/098,263B

CURRENT FILING DATE: 2003-01-08

PRIOR FILING DATE: 2001-03-16

NUMBER OF SEQ ID NOS: 131066

SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
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; Sequence 18868, Application US/10098263B
; Publication No. US2000104410A1
; GENERAL INFORMATION: Michael
; TITLE OF INVENTION: Human Microarray
FILE REFERENCE: 3118.1
; CURRENT APPLICATION NUMBER: US/10/098,263B
; CURRENT APPLICATION NUMBER: 05/276,759
; PRIOR FILING DATE: 2001-01-08
; PRIOR FILING DATE: 2001-03-16
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; LENGTH: 25
         CURRENT APPLICATION NUMBER: US/10/098,263B
CURRENT FILING DATE: 2003-01-08
PRIOR APPLICATION NUMBER: 60/276,759
PRIOR FILING DATE: 2001-03-16
NUMBER OF SEQ ID NOS: 131066
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 15754
LENGTH: 25
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100.08; FAX
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Best Local Similarity 100.
Matches 11; Conservative
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; ORGANISM: Homo sapien
US-10-098-263B-18868
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CORGANISM: Homo sapien
US-10-098-263B-36074
                                                                                                                                                                                           TYPE: DNA
CORGANISM: Homo sapien
US-10-098-263B-15754
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Best Local Similarity
FILE REFERENCE: 3118.1
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Matches 11; Conserv
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US-10-098-263B-18868/c
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LENGTH: 25
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                                                                                                                                                APPLICANT: Lewis, No. US20020174452Alman
APPLICANT: Davin, Laurence
APPLICANT: .. Huang, Ning
TITLE OF INVENTION: Monoct Seeds with Increased Lignan
TITLE OF INVENTION: Content
FILE REFERENCE: WSUR117983
CURRENT APPLICATION NUMBER: US/09/944,160
FRIOR APPLICANION NUMBER: 2001-08-30
PRIOR APPLICANION NUMBER: US 60/230,632
PRIOR FILING DATE: 2000-09-07
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: SICHARCA A. Gatti
TITLE OF INVENTION: METHODS FOR DETECTION OF ATAXIA
TITLE OF INVENTION: TELANGIECTASIA MUTATIONS
FILE REPERENCE: UCO78.001DV1
CURRENT APPLICATION NUMBER: US/10/175,225
CURRENT FILING DATE: 2002-08-23
FRIOR RPLICATION NUMBER: US 09/360,416
FRIOR FILING DATE: 1999-07-23
NUMBER OF SEQ ID NOS: 143
SOFTWARE: FastsEQ for Windows Version 4.0
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. 3.8e+03;
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1e+03;
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SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 17
LENGTH: 43
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100.0%; Pred. No.
tive 0; Mismatc
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APPLICANT: Mittman, Michael TITLE OF INVENTION: Human Microarray
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US-10-175-225-84/c
; Sequence 84, Application US/10175225
; Publication No. US/2030082582A1
; GENERAL INFORMATION:
                                                                                       Sequence 17, Application US/0994160 Patent No. US20020174452A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: DNA ORGANISM: Artificial Sequence
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Best Local Similarity 100.
Matches 11; Conservative
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                                                                                                                                  GENERAL INFORMATION:
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; ORGANISM: Human
US-10-175-225-84
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US-10-098-263B-47761/C
is Sequence 47761, Application US/10098263B
is Publication No. US20030104410A1
is Christal INFORMATION:
is APPLICANT: Mittman, Michael
is TITLE OF INVENTION: Human Microarray
is TIDE REPERBENCE: 31140
is CURRENT APPLICATION NUMBER: US/10/098, 263B
is CURRENT APPLICATION NUMBER: 05/276,759
is PRIOR PILING DATE: 2001-03-16
is PRIOR FILING DATE: 2001-03-16
is SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
is SEQ ID NO 47761
is LENGTH: 25
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Sequence 48908

Publication No. US20030104410A1

GENERAL INFORMATION:

APPLICANT: Mitthman, Michael

TITLE OF INVENTION: Human Microarray

PILE REFERENCE: 3118.1

CURRENT APPLICATION NUMBER: US/10/098,263B

CURRENT PILING DATE: 2003-01-08

PRIOR PILING DATE: 2001-03-16

NUMBER OF SEQ ID NOS: 131066

SEQ ID NO 48908

LENGTH: 25
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  0; Indels
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  0; Mismatches
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Best Local Similarity 100.
Matches 11; Conservative
11; Conservative
                                                          CCCGCGCGCTG 15
                                      4 CCCGCGCGCTG 14
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                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: DNA
CORGANISM: Homo sapien
US-10-098-263B-47761
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CORGANISM: Homo Bapien
US-10-098-263B-48908
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US-10-098-263B-48908
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Query Match 71.0
Best Local Similarity 100.
Matches 22; Conservative
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CITY: Palo Alto
STATE: California
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MOLECULE TYPE: DNA
              RESULT 1
US-08-330-123A-22/c
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                                                                                                                                                                                                                                                                                                             COUNTRY:
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('GGT2_6')todata2/ina/5B_COMB.seq:*

('GGT2_6')todata2/ina/6A_COMB.seq:*

('GGT2_6')todata2/ina/6B_COMB.seq:*

('GGT2_6')todata2/ina/BECOMB.seq:*

('GGT2_6')todata2/ina/PCTUS_COMB.seq:*

('GGT2_6')todata3/ina/PackfIles1.seq:*
      GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.
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US-08-482-115B-22
US-08-66-66-8A-22
US-08-472-802C-23
US-08-50-550A-18
US-08-50-550A-18
US-09-98-43-22
US-09-580-517-22
US-09-482-115B-28
US-08-482-115B-28
US-08-482-178-34
US-08-482-778-34
US-08-485-778-34
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US-08-50-550A-34
US-08-60-550A-34
US-08-60-550A-34
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US-08-578-615A-22
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                                                                                                                                           441362 segs, 153338381 residues
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                                     nucleic search, using sw model
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Gapop_60.0 , Gapext 60.0
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Match Length
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Perfect score:
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Pred. No. 0.0016;
0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CURRENT APPLICATION DATA:
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/330,123A
FILING DATE: 27-OCT-1994
CLASSIFICATION NUMBER: US/08/330,123A
FILING DATE: 27-OCT-1994
ATTON RAPLICATION NUMBER: US/08/22,102
FILING DATE: 07-JUL-1994
ATTON NUMBER: US 08/272,102
FILING DATE: 07-JUL-1994
ATTON NUMBER: 30,223
REGISTRATION NUMBER: 30,223
RESPERENCE/DOCKET NUMBER: 13389-000810
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
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US-08-829-637A-21
US-08-829-637A-22
US-09-254-322-22
US-09-254-322-22
PCT-US93-02213-22
PCT-US94-0770-22
PCT-US94-0770-22
US-08-564-989-8
US-08-554-975-12
US-08-954-470-12
US-09-129-855A-12
US-09-444-053-39
US-09-444-053-39
US-09-306-405-68
US-09-306-405-68
US-09-306-405-68
US-09-36-405-68
US-09-36-418-12
US-09-306-416-84
                                                                                                                                                                                                                                                                                    ALIGNMENTS
                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: VILLEPONTEAU, Bryant
APPLICANT: PENG, Junii
APPLICANT: PENK, Walter
APPLICANT: ANDREWS, William H.
TITLE OF INVENTION: HUMAN TELOMERASE
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ZIP: 94301
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                        ; Sequence 22, Application US/08330123A; Patent No. 5583016; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               71.0%; Scor.
100.0%; Pre
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TELEPHONE: (415) 326-240
TELEFAX: (415) 326-242
INFORMATION FOR SEQ ID NO: 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SEQUENCE CHARACTERISTICS:
LENGTH: 30 base pairs
TYPE: nucleic acid
    STRANDEDNESS: single
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Length 30;
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                                                                                                                                                                                                                                                                                                                                                                                                                                             CURRENT APPLICATION DATA:

SOFTWARE PATENTIN Release #1.0, Version #1.30
CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/660,678A
FILING DATE: 05-JUN-1996
CLASSIFICATION: 435
PRIOR APPLICATION NUMBER: US 08/330,123
FILING DATE: 27-OCT-1994
PRIOR APPLICATION NUMBER: US 08/272,102
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Andrews, William H.
APPLICANT: Andrews, William H.
APPLICANT: Feng, Jun1i
APPLICANT: Feng, Jun1i
APPLICANT: Funk, Walter
APPLICANT: Greider, Carol
APPLICANT: Marhuenda, Maria Antonia Blasco
APPLICANT: Villeponteau, Bryant
TITLE OF INVENTION: RNA COMPONENT OF TELOMERASE
NUMBER OF SEQUENCES: 45
CORRESPONDENCE ADDRESS:
ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.
                             NUMBER OF SEQUENCES: 30
CORRESPONDENCE ADDRESS:
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 22; DB 2;
Pred. No. 0.0016;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NAME: Storella, John R. REGISTRATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 015389-000811US
TELECOMMUNICATION INFORMATION:
IITLE OF INVENTION: Mammalian Telomerase
                                                                                                                                                                                                                                                                                                                                                                                                                           PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 CICCCGCGCGCTGTTTTCTC 22
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                                                                                                                                                                                                                                                                         ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-
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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
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INFORMATION FOR SEQ ID NO: S
SEQUENCE CHARACTERISTICS:
LENGTH: 30 base pairs
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Best Local Similarity 100.0
Matches 22; Conservative
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APPLICANT: Feng, Junii
APPLICANT: Feng, Junii
APPLICANT: Feng, Junii
APPLICANT: Funk, Wallea
APPLICANT: Andrews, William H.
TITLE OF INVENTION: Assays for the RNA Component of Human
TITLE OF INVENTION: Telomerase
NUMBER OF SEQUENCES: 40
CORRESPONDENCE ADDRESS:
ADDRESSES: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STREET: California
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC Compatible
OPERATING STOFFM: Pelosyman H 200
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CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/482,115B
FILING DATE: 07-JUN-1995
CLASSITCATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/272,102
FILING DATE: 07-JUL-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/330,123
FILING DATE: 27-OCT-1994
ATTORNEY/AGENT INFORMATION:
NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
REGISTRATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 015389-000830US
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match 71.0%; Score 22; DB Best Local Similarity 100.0%; Pred. No. 0.0 Matches 22; Conservative 0; Mismatches
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                                                                                                                                                                                                                   US-08-482-115B-22/c
; Sequence 22, Application US/08482115B
Patent No. 5776679
; GENERAL INFORMATION:
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Feng, Junli
Funk, Walter
Andrews, William H.
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INFORMATION FOR SEQ ID NO: 22
SEQUENCE CHARACTERISTICS:
LENGTH: 30 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   MOLECULE TYPE: DNA
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APPLICANT:
APPLICANT:
APPLICANT:
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Length 30;
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APPLICANT: Avilion, Ariel A.
APPLICANT: Feng, Junil
APPLICANT: Fong, Junil
APPLICANT: Greider, Carol
APPLICANT: Marhuenda, Maria A. B.
APPLICANT: Marhuenda, Maria A. B.
APPLICANT: Wileponteau, Bryant
TITLE OF INVENTION: RNA COmponent of Telomerase
NUMBER OF SEQUENCES: 47
CORRESCEE: Hamilton, Brook, Smith & Reynolds, P.C.
STREET: Two Militia Drive
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION UMBER: US/08/520,550A
FILING DATE: 29-AUG-1995
CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                                                           Score 22; DB 2;
Pred. No. 0.0016;
                                                                                                                                                                                                                                                                                                                                                                                                              Mismatches
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APPLICATION NUMBER: US 08/387,524
FILING DATE: 13-FEB-1995

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/330,123
FILING DATE: 27-CCT-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/272,102
FILING DATE: 07-UL-1994
ATTORNEY/AGENT INFORMATION:
NAME: Granahan, Patricia
REGISTRATION NUMBER: 32,227
REFERENCE/DOCKET NUMBER: 32,227
REFERENCE/DOCKET NUMBER: CSHL94-05A3
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 18, Application US/08520550A Patent No. 6013468 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                          71.0%; Scc...
100.0%; Pre
0; '
                                          REFERENCE/DOCKET NUMBER: 1538
TELECOMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEPAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 23: SEQUENCE CHARACTERISTICS:
LENGTH: 30 base pairs
TYPE: nucleic acid
                      30,223
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SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                              Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 CTCCCCGCGCGCTG1
                      REGISTRATION NUMBER:
                                                                                                                                                                                                                                                                                                                                     Query Match
Best Local Similarity
                                                                                                                                                                                                                                                            ; TOPOLOGY: linear; MOLECULE TYPE: DNA US-08-472-802C-23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CITY: Lexington STATE: MA
                                                                                                                                                                                                                                     STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  RESULT 6
US-08-520-550A-18/c
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      GENERAL INFORMATION:
APPLICANT: Villeponteau, Bryant
APPLICANT: Villeponteau, Bryant
APPLICANT: Villeponteau, Bryant
APPLICANT: Villeponteau, Bryant
APPLICANT: Andrews, William H.
TITLE OF INVENTION: Mammalian Telomerase
NUMBER OF SEQUENCES: 44
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
CONTRY: USA
ZIP: 9411-3834
COMPUTER: Ploppy disk
COMPUTER: IBM PC compatible
OPERATING SYTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/472,802C
FILING DATE: 07-UUL-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/272,102
FILING DATE: 07-UUL-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/330,123
FILING DATE: 27-OCT-1994
ATTORNEY/AGENT INFORMATION:
NAME: Smith, William M.
OPERATING SYSTEM: PC-DOS/MS-DOS
GOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/485,778
FILING DATE: 07-JE-1995
PRIOR APPLICATION + 435
PRIOR APPLICATION NUMBER: US 08/387,524
FILING DATE: 13-FEB-1995
PRIOR APPLICATION NUMBER: US 08/330,123
FILING DATE: 13-FEB-1995
PRIOR APPLICATION NUMBER: US 08/322,102
FILING DATE: 07-JUL-1994
PRIOR APPLICATION NUMBER: US 08/272,102
FILING DATE: 07-JUL-1994
ATTORNEY/AGENT INFORMATION:
NAME: Granahan, Patricia
REGISTRATION NUMBER: 32,227
REFERENCE/DOCKET NUMBER: CSHL94-05A4
TELECHMUNICATION INFORMATION:
TELEPHONICATION NUMBER: 32,227
REFERENCE/DOCKET NUMBER: 32,227
REFERENCE/DOCKET NUMBER: 32,227
TELECHMUNICATION INFORMATION:
TELEPHONICATION INFORMATION:
TELEFAX: 617-861-6540
INFORMATION FOR SEQ ID NO: 18:
SEQUENCE CHARACTERISTICS:
LENGTH: 30 base pairs
TYPE: nucleic acid
STRANDEDNESS: saingle
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0.0016;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match 71.0%; Score 22; DB Best Local Similarity 100.0%; Pred. No. 0.0 Matches 22; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-08-472-802C-23/c
; Sequence 23, Application US/08472802C
; Patent No. 5958680
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US-09-060-523-22/c
; Sequence 22, Application US/09060523
; Patent No. 6258535
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US-09-060-523-22
                                                                                                                                                                                                                                                                                                                                                                     USA
                                                                                                                                                                                                                                                                                                                                                                COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ò
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                                                                                           Length 30;
                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Villeponteau, Bryant
APPLICANT: Villeponteau, Bryant
APPLICANT: Feng, Junia
APPLICANT: Funk, Walter
APPLICANT: Andrews, William H.
TITLE OF INVENTION: Mammalian Telomerase
NUMBER OF SEQUENCES: 30
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: Collifornia
COUWTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COMPOTER READABLE FORM:

COMPUTER: IEM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/998,443
                                                                                        Query Match 71.0%; Score 22; DB 3; Le Best Local Similarity 100.0%; Pred. No. 0.0016; Matches 22; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CLIASSIFICATION:
PRIOR APPLICATION DATA:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/60,678
FILING DATE: 27-007-1994
FILING DATE: 05-010-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/272,102
FILING DATE: 07-011-1994
ATORNEY AGENT INFORMATION:
NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
REGISTRATION NUMBER: 32,944
REGISTRATION NUMBER: 32,944
RECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
                                                                                                                                                                                      FTCTC 22
                                                                                                                                                                                                                                                                                                                         US-08-998-443-22/c
; Sequence 22, Application US/08998443
Patent No. 6054575
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TELEPHONE: (415) 576-020
TELEPAR: (415) 576-0300
INFORMATION FOR EQ. DD NO: 2
SEQUENCE CHARACTERISTICS:
LENGTH: 30 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: nucleic acid
STRANDEDNESS: single
; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-520-550A-18
                                                                                                                                                                                      1 CTCCCCGCGCGC
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US-08-998-443-22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  FILING DATE:
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Gaps
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Pred. No. 0.0016;
0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                               SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/060,523
FILING DATE: 14.APR-1998
CLASSIFICATION: 536
                                                                                                                                                                                              ADDRESSEE: Townsend and Townsend and Crew LLP STREET: Two Embarcadero Center, Eighth Floor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          015389-000813US
GENERAL INFORMATION:
APPLICANT: Villeponteau, Bryant
APPLICANT: Feng, Junil
APPLICANT: Funk, Walter
APPLICANT: Andrews, William H.
TITLE OF INVENTION: Mammalian Telomerase
NUMBER OF SEQUENCES: 25
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ANDREWS, William H.
TITLE OF INVENTION: HUMAN TELOMERASE
CORRESPONDENCES: 25
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/660,678
FILING DATE: 05-JUN-1996
PRIOR APPLICATION NUMBER: US 08/330,123
FILING DATE: 27-OCT-1994
PRIOR APPLICATION NUMBER: US 08/272,102
FILING DATE: 07-JUL-1994
ATTORNEY/AGENT INFORMATION:
NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
REFERENDE/DOCKET NUMBER: 32,944
TELECOMMUNICATION NUMBER: 32,944
TELECOMMUNICATION NUMBER: 32,944
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                RESULT 9
US-09-880-517-22/c
US-09-880-517-22/c
; Sequence 22, Application US/09580517
; Patent No. 6320039
; GENERAL INFORMATION:
APPLICANT: VILLEPONTEAU, Bryant
; APPLICANT: VILLEPONTEAU, Bryant
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TTTCTC 22
                                                                                                                                                                                                                                                                                                             ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  71.0%; Sco-
100.0%; Pre
0; 1
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TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 22:
SEQUENCE CHARACTERISTICS:
LENGTH: 30 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             FENG, Junli
FUNK, Walter
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity 100.
Matches 22; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                             CITY: San Francisco
STATE: California
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Length 28;
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COUNTRY: USA
ZIP: 94111-3834

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBN
COMPUTER: Datentin Release #1.0, Version #1.30
CURRANT APPLICATION DATA:
CURRANT APPLICATION NUMBER: US/08/472,802C
TIING DATE: 07-JUN-1995

TIING DATE: 07-JUN-1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADDRESSEE: Townsend and Townsend and Crew LLP STREET: Two Embarcadero Center, Bighth Floor CITY: San Francisco STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 21; DB 1;
Pred. No. 0.0054;
                                                                                                                                                                                 015389-000830US
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             GENERAL INFORMATION:
APPLICANT: Villeponteau, Bryant
APPLICANT: Feng, Junii
APPLICANT: Andrews, William H.
TITLE OF INVENTION: Mammalian Telomerase
NUMBER OF SEQUENCES: 44
CORRESPONDENCES ADDRESS:
ADDRESSEE: Townsend and Townsend and C)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        REGISTRATION NUMBER: 30,223
REPERENCE/DOCKET NUMBER: 15389-000820
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/272,102
FILING DATE: 07-0UL-1994
APPLICATION DATA:
APPLICATION NUMBER: US 08/330,123
US 08/272,102
                                                                US 08/330,123
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 29, Application US/08472802C Patent No. 5958680
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100.08; Lt.
0,
                  FILING DATE: 07-JUL-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/330
FILING DATE: 27-CT-1994
ATTORNEY/AGENT INFORMATION:
NAME: SCOFELLA, JOHN R.
REGISTRATION NUMBER: 32,944
REPRENCE/DOCKET NUMBER: 0153
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                       TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 28:
SEQUENCE CHARACTERISTICS:
LENGTH: 28 base pairs
TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 29
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      FILING DATE: 27-OCT-1994
ATTORNEY/AGENT INFORMATION:
NAME: Smith, William M.
REGISTRATION NUMBER: 30,3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 CTCCCCGCGCGCTGTT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Conservative
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nucleic acid
APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                    TOPOLOGY: linear HOLECULE TYPE: DNA US-08-482-1158-28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Best Local Similarity
Matches 21; Conserv
                                                                                                                                                                                                                                                                                                                                                               STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
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APPLICANT: Feng, Junli
APPLICANT: Funk, Walter
APPLICANT: Andrews, William H.
TITLE OF INVENTION: Assays for the RNA Component of Human
TITLE OF INVENTION: Telomerase
                                                                                                      ZIP: 94301

COMPUTER READABLE FORM:
    MEDIUM TYPE: Floppy disk
    COMPUTER: IBM PC compatible
    OPERATING SYSTEM: PC-DOS/MS-DOS
    SOFTWARE: PatentIn Release #1.0, Version #1.25
    CURRENT APPLICATION DATA:
    APPLICATION NUMBER: US/09/580,517
    FILING DATE: 25-May-2000
    CLASSIFICATION: <Unknown>
ADDRESSEE: Townsend and Townsend Khourie and Crew
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       71.0%; Score 22; DB 4; Length 30; 100.0%; Pred. No. 0.0016;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0; Indels
                                                                                                                                                                                                                                                                                                                                  PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/330,123
FILING DATE: «Unknown»
ATTORNEY/ACBNT INFORMATION:
NAME: Smith, William M
REGISTRATION NUMBER: 30,223
REFERENCE/DOCKET NUMBER: 15389-000810
TELECOMMUNICATION INFORMATION:
TELECHONE: (415) 326-2400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SOFTWARE: Patentin Release #1.0, Version #1.30 CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/482,115B FILING DATE: 07-UUN-1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NUMBER OF SEQUENCES: 40
CORRESPONDENCE ADDRESS:
ADDRESSE: Townsend and Townsend and Crew LLP STREET: Two Embarcadero Center, Eighth Floor CITY: San Francisco STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match 71.0%; Score 22; DB Best Local Similarity. 100.0%; Pred. No. 0.0 Matches 22; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      MOLECULE TYPE: DNA
SEQUENCE DESCRIPTION: SEQ ID NO: 22:.
US-09-580-517-22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 28, Application US/08482115B Patent No. 5776679 GENERAL INFORMATION:
           STREET: 379 Lytton Avenue CITY: Palo Alto STATE: California COUNTRY: US
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TELEFAX: (415) 326-2422
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 LENGTH: 30 base pairs
TYPE: nucleic acid
STRANDEDNESS: single.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    INFORMATION FOR SEQ ID NO: 22
SEQUENCE CHARACTERISTICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 CTCCCCGCGCGCTGT7
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MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PRIOR APPLICATION DATA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RY: USA
94111-3834
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CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            RESULT 10
US-08-482-115B-28/c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COUNTRY:
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10 GCGCTGTTTTTCTCGCTGACT 30
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                                                                                                  67.7%; Score 21; DB 2; Length 28; 100.0%; Pred. No. 0.0054; ive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: Greider, Carol
APPLICANT: Marhuenda, Maria Antonia Blasco
APPLICANT: Marhuenda, Maria Antonia Blasco
APPLICANT: Villeponteau, Bryant
TITLE OF INVENTION: RNA COMPONENT OF TELOMERASE
NUMBER OF SEQUENCES: 45
CORRESPONDENCE ADDRESS:
CORRESPE: Hamilton, Brook, Smith & Reynolds, P.C.
STREET: Two Militia Drive
CITY: Lexington
CITY: Lexington
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
                                                                                                                    100.0%; Pred. ...
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/485,778
FILING DATE: 07-DE-1995
CLASSIPICATION NATA:
APPLICATION NATA:
APPLICATION DATA:
APPLICATION DATA:
APPLICATION NUMBER: US 08/387,524
FILING DATE: 13-FEB-1995
FILING DATE: 27-OCT-1994
FILING DATE: 27-OCT-1994
FILING DATE: 07-UUL-1994
ATTORNEY AGENT INFORMATION:
APPLICATION NUMBER: US 08/272,102
FILING DATE: 07-UUL-1994
ATTORNEY AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NAME: Granahan, Patricia
REGISTRATION NUMBER: 32,227
REFERENCE/DOCKET NUMBER: CSHL94-05A4
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617-861-6240
TELEFAX: 617-861-9540
                                                                                                                                                                                                                                                                                                                                         Sequence 34, Application US/08485778
Patent No. 5876979
GENERAL INFORMATION:
APPLICANT: Andrews, William H.
                                                                                                                                                                                                                                                                                                                                                                                                          Andrews, William H.
Avilion, Ariel Athena
Feng, Junli
Funk, Walter
                                                                                                                                                                                            1 CTCCCCGCGCGCTGTTTTCT 21
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INFORMATION FOR SEQ ID NO: 34:
SEQUENCE CHARACTERISTICS:
LENGTH: 30 base pairs
TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ZIP: 02173
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
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Best Local Similarity 100.(
Matches 21; Conservative
                                                                                                  Query Match
Best Local Similarity 100.
Matches 21; Conservative
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                    TOPOLOGY: linear MOLECULE TYPE: DNA
STRANDEDNESS:
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US-08-485-778-34
                                                              US-08-472-802C-29
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COUNTRY:
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Pred. No. 0.0054;
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STREET: Two Militia Drive
SITY: Lexington
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               OFFWAINGS SYSTEM:
CURRENT APPLICATION DATA:
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/520,550A
FILING DATE: 29-4UG-1995
CLASSIFICATION: 435
PRIOR APPLICATION THER: US/08/387,524
FILING DATE: 13-FEB-1995
PRIOR APPLICATION NUMBER: US 08/387,524
FILING DATE: 13-FEB-1995
PRIOR APPLICATION NUMBER: US 08/330,123
FILING DATE: 27-OCT-1994
PRIOR APPLICATION NUMBER: US 08/272,102
FILING DATE: US-027-1994
ATTORNEY/AGENT INFORMATION:
NAME: GTANDAMA, SALICIA:
NAME: GTANDAMA, UMBER: 32,227
REFERENCE/DOCKET NUMBER: 32,227
REFERENCE/DOCKET NUMBER: CSHL94-05A3B
                                                                                                                                                                                                 APPLICANT: Villeponteau, Bryant
TITLE OF INVENTION: RNA Component of Telomerase
NUMBER OF SEQUENCES: 47
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         GENERAL INFORMATION: APPLICANT: Nicholas Dean, C. Frank Bennett
                                                                                                                                                                                                                                                                                                                                                                                                                                       MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
; Sequence 34, Application US/08520550A
; Patent No. 6013468
                                                                                                                                                                                 Marhuenda, Maria A. B.
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Patent No. 5703054
                                                                 Andrews, William H.
Avilion, Ariel A.
Feng, Junil
Funk, Walter
Greider, Carol
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity 100.0%; P. Matches 21; Conservative 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TELECOMMUNICATION INFORMATION TELEPHONE: 617-861-6240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TELEFAX: 617-861-954U
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             LENGTH: 30 base pairs
                                                                                                                                                                                                                                                                   CORRESPONDENCE ADDRESS:
ADDRESSEE: Hamilton,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: nucleic acid. STRANDEDNESS: single
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MEDIUM TYPE: Floppy
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APPLICANT:
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APPLICANT:
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9 GCGCTGTTTTTCTCGCTGACT 29

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38.7%; Score 12; DB 1; Length 20; 100.0%; Pred. No. 3.7e+02; tive 0; Mismatches 0; Indels
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION DATA:
APPLICATION NUMBER: 82,852
FILING DATE: March 16, 1992
ATTORNEY/AGENT INFORMATION:
NAME: Rebecca Ralph Gaumond
REGISTRATION NUMBER: 35,152
REPERBURE/DOCKET NUMBER: 1515-1154
TELECOMMUNICATION INFORMATION:
TELEPHONE: (215) 568-3100
TELEFA: (215) 568-3100
TELEFA: (215) 568-3100
INFORMATION FOR SEQ ID NO: 22:
SEQUENCE CHARACTERISTICS:
LENGTH: 20
TYPE: nucleic acid
STRANDEDNESS: single
COPLOGY: linear
TOPOLOGY: linear
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Best Local Similarity
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TITLE OF INVENTION: Kinase C

NUMBER OF SEQUENCES: 62

CORRESPONDENCES: 62

CORRESPONDENCES: Application of Protein TITLE OF INVENTION: Kinase C

NUMBER OF SQUENCES: 62

CORRESPONDENCES: Application Of Protein TITLE OF INVENTION: Kinase C

STREET: Woodcock Washburn Kurtz

ADDRESSEE: Woodcock Washburn Floor

STATE: DATE ADDRESSEE: Woodcock Washburn TITLE OF TITLE O
                                    TITLE OF INVENTION: Oligonucleotide Modulation of Frotein
TITLE OF INVENTION: Kinase C
NUMBER OF SEQUENCES: 62
ADDRESSEE: Woodcock Washburn Kurtz
ADDRESSEE: Mackiewicz & No. 5703054ris
STREET: One Liberty Place - 46th Floor
CITY: Philadelphia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Ouery Match 38.7%; Score 12; DB 1; Length 20; Best Local Similarity 100.0%; Pred. No. 3.7e+02; Matches 12; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                      COMPUTER READABLE FORM:

MEDIUM TYPE: 1910

COMPUTER READABLE FORM:

MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 Mb STORAGE

COMPUTER: IBM PS/2

OPERATING SYSTEM: PC-DOS

SOFTWARE: WORDPERFECT 5.1

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/089,996

CLASSIPICATION: 435

PRIOR APPLICATION 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 852,852

FILING DATE: March 16, 1992

ATTORNEY/AGENT INFORMATION:

REGISTRATION NUMBER: 35,152

REFERENCE/DOCKET NUMBER: 151S-1154

TELECOMMUNICATION INFORMATION:

TELECOMMUNICATION INFORMATION:

TELECOMMUNICATION INFORMATION:

TELECOMMUNICATION INFORMATION:

TELECOMMUNICATION FOR SEQ 1D NO: 21:

SEQUENCE: CHARACTERISTICS:
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CUMENT APPLICATION DATA:
APPLICATION NUMBER: US/08/089,996
FILING DATE: 19930709
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STRANDEDNESS: single
TOPOLOGY: linear
ANTI-SENSE: yes
US-08-099-996-21
                                                                                                                                                                                                                                                                                                                                                                                                      USA
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Human protein kina
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Human PKC-beta typ
Human PKC-beta typ
Human protein kina
Human PKC-beta typ
Mammalian Lhx3 PCR
Human protein kina
Human protein kina
Human protein kina
Human protein kina

Sequence:

Run on:

Searched:

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RNA component; human; telomerase; lung fibroblast; cell line WI-38; recombinant production; synthesis; mutant; detection; mammalian; identification; modulating agent; neoplastic condition; transcriptional regulatory sequence; gene therapy; disease; polymerase chain reaction; antisense plasmid; PCR primer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         RNA component of human telomerase antisense plasmid PCR primer Gl.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ALIGNMENTS
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AAA92119
AAZ12490
AAL38427
AAS98338
AAS98343
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AAA92056
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AAA82997
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AAQ97895
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AAV35521
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AAX83654
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AAX19147
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ABL90875
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                      AAS98336
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94US-0272102.
94US-0330123.
95US-0472802.
  95WO-US08530
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  \begin{array}{c} \mathbf{m} \ \mathbf{
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07-JUL-1994;
27-OCT-1994;
07-JUN-1995;
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Primer used for am
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                                                                                                                             June 23, 2003, 10:14:29 ; Search time 117.339 Seconds (without alignments) 594.960 Million cell updates/sec
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23: /SIDS2/gcgdata/geneseq/geneseqn-embl/NA2001A.DAT:*

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24: /SIDS2/gcgdata/geneseq/geneseqn-embl/NA2001B.DAT:*

24: /SIDS2/gcgdata/geneseq/geneseqn-embl/NA2001B.DAT:*

24: /SIDS2/gcgdata/geneseq/geneseqn-embl/NA2001B.DAT:*
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                5.1.6
Compugen Ltd
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31
1 CTCCCGGGGGGTGTTTTCTCGCTGACTTT
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                GenCore version (c) 1993 - 2003
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                                                                                            nucleic search, using sw model
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AAT11043
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Gapop_60.0 , Gapext 60.0
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Minimum DB seq length: 0 Maximum DB seq length: 50
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671.0
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Perfect score:
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                                                                                            nucleic
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Hammerhead ribozym Human cdc37 nuclei cdk6 ribozyme bind Cell-cycle depende

Andrews WH, Feng J, Funk W, Villeponteau B;

(GERO-) GERON CORP.

Primer used for am Treponema pallidum

Result Š. Mouse telomerase R Mouse telomerase R

Tick derived cyste Borrelia burgdorfe Mouse telomerase R

9679

Oligonucleotide pr Galanin receptor g Galanin receptor g

S

PCR primer used

Human Lhx-3 gene P Human Lhx3 PCR pri Human Lhx3 PCR pri

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                                                                                                                         The present sequence is a PCR primer for a RNA component of human telemerase (RCHT), antisense plasmid. RCHT was derived from a genomic DNA library obtd. from the human lung fibroblast cell line WI-38. The RCHT can be used in the recombinant prodn. of an active telomerase moi., capable of adding sequences to chromosomal DNA telomerase, and in the synthesis of mutant sequences for the detection of mutant mammalian telomerase RNA component to polynucleotides. The RCHT may also be used in the identification of telomerase modulating agents, and in the detection of telomerase modulating agents, and in the detection of telomerase related, or neoplastic conditions in a patient. Polynucleotides of at least 25 consecutive nucleotides identical, or complementary to the RCHT sequence linked to heterologous transcriptional regulatory sequences, can be used for the gene therapy of human diseases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  RNA components of (non)human mammalian telomerase(s) - useful in studying cell senescence and immortalisation
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Telomerase; mammal; antisense; triplex forming oligonucleotide; plasmid; probe; primer; ribozyme; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                 ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Primer for production of telomerase antisense oligonucleotide.
                                             - useful in
                                                                                                                                                                                                                                                                                                                                                                                                              71.0%; Score 22; DB 17; Length 30; 100.0%; Pred. No. 0.0061; Attive 0; Mismatches 0; Indels
                                             RNA component of mammalian telomerase, esp. human - usefidentifying e.g. candidate telomerase-modulating agents
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Feng J, Funk W, Greider C;
                                                                                                                                                                                                                                                                                                                                                                                 Seguence 30 BP; 13 A; 6 C; 11 G; 0 U; 0 other;
                                                                                               Example 8; Page 80; 114pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 CTCCCCGCGCGCTGTTTTCTC 22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                crecededecrerrrrere 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAT11043 standard; DNA; 30 BP
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94US-0272102.
94US-0330123.
95US-0387524.
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Marhuenda MA, Villeponteau B;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                 22; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WPI; 1996-097428/10.
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               WPI; 1996-097581/10
                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity
Matches 22; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      07-JUN-1995;
07-JUL-1994;
27-OCT-1994;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAT11043;
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The RNA components of (non) human mammalian telomerase(s) especially from mouse, rat and chinese hamster are all claimed. Antisense oligonucleotides can be used to block the activity of the telomerase; probes and primers can be used in detection; vectors and host cells transformed with the isolated telomerase genes can be used for production of telomerases; RNA and DNA ribozymes and triplex forming oligonucleotides directed against the telomerase genes can be used therapeutically as can plasmids. A mouse which lacks the
          from mouse, rat and chinese hamster are all claimed. Attieuned coligonucleotides can be used to block the activity of the telomerase, probes and primers can be used in detection; vectors and host cells transformed with the isolated telomerase genes can be used for production of telomerases; RNA and DNA ribozymes and triplex forming oligonucleotides directed against the telomerase genes can be used therapeutically as can plasmids. A mouse which lacks the telomerase gene (also claimed) can be used for study of telomere regulation in vivo, and the role it plays in immortalisation. Three primers (AATI1040, AATI1043, MATI1044) were used to produce antisense expression plasmids. A musisense wolson plasmids. A missense molecules.
                                                                                                                                                                                                                                                                                                                                   Gaps
The RNA components of (non) human mammalian telomerase(s) especially
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RNA components of (non)human mammalian telomerase(s) - useful in studying cell senescence and immortalisation
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Telomerase; mammal; antisense; triplex forming oligonucleotide; plasmid; probe; primer; ribozyme; ss.
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                                                                                                                                                                                                                                                                                             Score 22; DB 17; Length 30;
Pred. No. 0.0061;
0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Primer used for amplifying telomerase RNA fragments.
                                                                                                                                                                                                                                                          Sequence 30 BP; 13 A; 6 C; 11 G; 0 U; 0 other;
                                                                                                                                                                                                                                                                             71.0%; SCor.
v 100.0%; Pred. No. v..
·-- 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Arinews WH, Avillon AA, Feng J, Funk W,
Marhuenda MA, Villeponteau B;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Example 15; Page 60; 85pp; English.
                                                                                                                                                                                                                                                                                                                                                                   1 CTCCCCGCGCGCTGTTTTCTC 22
                                                                                                                                                                                                                                                                                                                                                                                              CTCCCCCCCCCCTTTTCTC 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (COLD-) COLD SPRING HARBOR LAB.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAT11059 standard; DNA; 30 BP.
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                                                                                                                                                                                                                                                                                                                                   22; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (GERO-) GERON CORP.
                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity
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07-JUL-1994;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAT11059;
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                                                                                                                                                                                                                                                                                                                                   Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                          RESULT 3
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The present invention describes novel Treponema pallidum genes. These genes encode a glycerophosphodiester phosphodiesterase (Gpd), a D15/Oma87 homologue, and proteins with homology to major outer sheath (Msp) proteins of T. denticola. Also described are: (1) an isolated protein capable of inducing a protective immunologic response to T. p. pallidum, T. p. pertenue, or T. p. endemicum, when administered in an acfective amount to an animal host; (2) a method of identifying a T. p. pallidum vaccine candidate; (3) a method of inducing a T. p. pallidum vaccine candidate; (3) a method of inducing a T. p. subspecies pallidum, T. p. subspecies pertenue or T. p. subspecies pallidum, T. p. subspecies pertenue or T. p. subspecies candina (5) a method of determining whether a first and a second cinical isolate of T. p. pallidum are the same or different. The proteins are used, either alone or in combination, in vaccines against Treponemal disease. The methods may be used to identify vaccine other Treponemal diseases. The methods may be used to identify vaccine candidates, and to determine the origin of a treponemal nucleic acid.
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                                                                                                                                                                                                                                                                                                                                                                                                      Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          nema pallidum, syphilis, vaccine, treponemal disease, Msp,
sheath protein, bejal, gingivitis, periodontal disease, pinta,
regulation in vivo, and the role it plays in immortalisation. Four primers (AAT11059, AAT11059, AATT1059, 
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Treponema pallidum Msp variable region sense PCR primer S7.
                                                                                                                                                                                                                                                                                                                                      Length 30;
                                                                                                                                                                                                                                                                                                                                                                                                   Indels
                                                                                                                                                                                                                                                                                                          DB 17; Lens.
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                                                                                                                                                                                                                                                                         Sequence 30 BP; 3 A; 9 C; 7 G; 11 T; 0 other;
                                                                                                                                                                                                                                                                                                                                Query Match 67.7%; Score 21; DB Best Local Similarity 100.0%; Pred. No. 0.0 Matches 21; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                             9 GCGCTGTTTTTCTCGCTGACT 29
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Claim 3; Page 86; 200pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       10 GCGCTGTTTTTCTCGCTGACT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAZ33130 standard; DNA; 22 BP.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        99WO-US07886.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       yaws; PCR primer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WPI; 1999-620445/53
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Treponema pallidum.
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The invention relates to promoter regions from mouse and human telomerase RNA (TR) component genes. The TR gene promoter can be linked to a heterologous gene, especially a gene encoding a cytotoxin, for the rargy of cancer, especially a gene encoding a cytotoxin, for the unrestricted proliferative capacity of many human cancers. Mutation or dysregulation of the telomerase repression pathway may cause cactivation or upregulation of telomerase expression in cancer. Substances, identified in the methods, can be used to block transcription from the TR gene promoter through interaction of the 5' regulatory sequences. These substances, e.g. antisense oligonucleotides, canscription factors, peptide nucleic acids and factors that disrupt signal transduction, are useful for cancer therapy. In particular, gene therapy vectors (sepecially poffs2-codAupp) comprising the promoter and a circle promoter and a prodrug cancer therapy under the promoter and a controlled or treated. Direct down-regulation of telomerase RNA gene through manipulation of telomerase RNA gene through manipulation of telomerase and the cloning of the controlled or treated.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             of the hrk gene promoter allows the analysis of therapeutic molecules which modulate hrk promoter activity. Sequences AAZ07681-95 represent PCR primers for amplifying mouse TR gene (terc) promoter sequence.
AAZ33104 to AAZ33156, and AAYS2773 to AAYS2831, represent sequences used in the exemplification of the present invention.
                                                                                                                                          Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                     1; TR; promoter; cytotoxin; cancer; neoplasia; terc;
thymidine kinase gene; anticancer therapy; mouse;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Mouse and human telomerase RNA gene promoters, useful for tumor
                                                                                                                                          ;
                                                                                                      Length 22
                                                                                                                                        Indels
                                                                                                                                          ö
                                                                                                      Score 14; DB 20;
Pred. No. 1.6e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                 Mouse telomerase RNA gene specific primer mTRrl.
                                                                  Sequence 22 BP; 1 A; 6 C; 4 G; 11 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 20 BP; 6 A; 5 C; 7 G; 2 T; 0 other;
                                                                                                                                        Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Disclosure, Fig 6; 109pp; English.
                                                                                                    45.2%; Sco
100.0%; Pr
tive 0;
                                                                                                                                                                                                                                                                                      AA207291/c
ID AA207291 standard; DNA; 20 BP.
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                                                                                                                                                                          15 TTTTTCTCGCTGAC 28
                                                                                                                                                                                                                TTTTTCTCGCTGAC 15
                                                                                                                                                                                                                                                                                                                                                                               22-OCT-1999 (first entry)
                                                                                                                                        14; Conservative
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                                                                                                      Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                     Telomerase RNA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          gene therapy;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WO9938964-A2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PCR primer;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Synthetic.
                                                                                                                                                                                                                                                                                                                                           AAZ07291;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Keith WN;
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Matches
                                                                                                                                                                                                                                                                       RESULT 5
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The invention relates to promoter regions from mouse and human telomerase RNA (TR) component genes. The TR gene promoter can be linked telomerase RNA (TR) component genes. The TR gene promoter can be linked to a heterologous gene, especially a gene encoding a cyclotaxin, for the rapy of cancer, especially neoplasias. The telomerase is necessary for the unrestricted proliferative capacity of many human cancers. Mutation or dysregulation of the telomerase expression in cancer. Substances, identified in the methods, can be used to block transcription from the TR gene promoter through interaction of the 5' regulatory sequences. These substances, e.g. antisense oligonucleotides, transcription factors, peptide nucleic acids and factors that gene transcription, are useful for cancer therapy. In particular, gene signal transduction, are useful for cancer therapy. In particular, gene viral thymidine kinase gene can be used to convert a producy e.g. gancyclovir, so that neoplasia can be controlled or treated. Direct down-regulation of telomerase RNA gene through manipulation of telomerase RNA gene through manipulation of telomerase RNA gene through manipulation of the hTR gene promoter allows the analysis of therapeutic molecules which modulate hTR promoter activity, Sequences AA207681-95 represent PCR which modulate hTR promoter activity, Sequences AA207681-95 represent PCR
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                                              Gaps
                                                                                                                                                                                                                                                                                                                                                                                                              Telomerase RNA; TR; promoter; cytotoxin; cancer; neoplasia; terc; gene therapy; thymidine kinase gene; anticancer therapy; mouse;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Mouse and human telomerase RNA gene promoters, useful for tumor
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41.9%; Score 13; DB 20; Length 20;
Best Local Similarity 100.0%; Pred. No. 5.5e+02;
Matches 13; Conservative 0; Mismatches 0; Indels
  DB 20; Length 20;
5.5e+02;
hes 0; Indels
                                                                                                                                                                                                                                                                                                                                                                      Mouse telomerase RNA gene specific primer mTRrl.
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  41.9%; Score 13; DB 100.0%; Pred. No. 5.5 ive 0; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Disclosure; Fig 6; 109pp; English
                                                                                                                                                                                                                    AAZ07294/c
ID AAZ07294 standard; DNA; 20 BP.
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                                                                                                                                                                                                                                                                                                                            22-OCT-1999 (first entry)
                                                                                        18 TTCTCGCTGACTT 30
Query Match
Best Local Similarity 100.
Matches 13; Conservative
                                                                                                              20 TTCTCGCTGACTT 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   specific gene therapy
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                                                                                                                                                                                                                                                                                                                                                                                                                                                          PCR primer; ss
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WO9938964-A2,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               29-JAN-1999;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Synthetic.
                                                                                                                                                                                                                                                                                  AAZ07294;
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The present sequence represents a primer used in the isolation of a tic derived cysteine protease. The present invention also describes a tick salivary gland antigen related immunogen and a tick derived serine protease. A nucleotide sequence encoding and of the above proteins can be used in a vaccine against tick carried infections for domestic animals such as cattle.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Lyme disease, spirochete, antibacterial, Borrelia, infection, vaccine, Lyme borreliosis, veterinary, PCR, primer, ospA, ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               A gene encoding tick salivary gland antigen - useful as a vaccine for protecting animals from tick-carried infections
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ;
0
                                                                                                                                                                                                                                                                                        Tick; vaccine; infection; salivary gland antigen; immunogen; serine protease; cysteine protease; primer; se
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 41.9%; Score 13; DB 21; Length 22; 100.0%; Pred. No. 5.5e+02; ive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 22 BP; 3 A; 7 C; 4 G; 8 T; 0 other;
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                                                                                                                                                                                                                                                Tick derived cysteine protease primer PR-2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Example 7; Page 15; 29pp; Japanese
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ABL60273 standard; DNA; 28 BP.
                                                                                                                        AAA29625 standard; DNA; 22 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               98JP-0281932
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                13; Conservative
20 TTCTCGCTGACTT
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WPI; 2000-296340/26.
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                                                                                                                                                                                                                                                                                                                                                                                           JP2000083677-A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (FARB ) BAYER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            DE10126367-A1
                                                                                                                                                                                                        10-AUG-2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               17-SEP-1998;
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                                                                                                                                                                                                                                                                                                                                                                                                                                   28-MAR-2000.
                                                                                                                                                                  AAA29625;
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ABL60273/
ID ABL60
                                                                                    RESULT 7
                                                                                                         AAA29625
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                       셤
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Gaps

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18 TTCTCGCTGACTT 30

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The invention relates to promoter regions from mouse and human telomerase RNA (TR) component genes. The TR gene promoter can be linked to a heterologous gene, especially a gene encoding a cytotoxin, for therapy of cancer, especially neoplasias. The telomerase is necessary for the unrestricted proliferative capacity of many human cancers. Mutation or dystregulation of the telomerase repression pathway may cause reactivation or upregulation of telomerase expression in cancer.

Substances, identified in the methods, can be used to block transcription from the TR gene promoter through interaction of the 5' regulatory sequences. These substances, e.g. antisense oligomucleotides, transcription factors, peptide nucleic acids and factors that disrupt thransduction, are useful for cancer therapy. In particular, gene therapy vectors (especially poffs2-codAupp) comprising the promoter and a ciral thymidine kinase gene can be used to convert a producy e.g. gancyclovir, so that neoplasia can be controlled or treated. Direct convert and a controlled or treated. Direct convert and a controlled or treated. Direct convert and a controlled or treated or the cloning of the hTR gene promoter allows the analysis of therapy and the cloning of the hTR gene hTR promoter allows the analysis of therapy and the cloning of the hTR gene hTR promoter allows the analysis of therapy and the cloning or which modulate hTR promoter and a converted to the hTR gene promoter allows the analysis of therapy and the cloning or which modulate hTR promoter and a converted hTR gene promoter allows the analysis of therapy and the cloning or which modulate hTR promoter and a converted hTR gene promoter allows the analysis of therapy and the cloning or which modulate hTR promoter and a converted hTR gene promoter allows the analysis of therapy and the cloning or which modulate hTR gene promoter and a converted hTR gene general promoter and a converted hTR g
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      The invention relates to genotyping human galanin receptor (GALR1) gene of an individual, involving determining for the two copies of the GALR1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Galanin receptor; GALR1; human; single nucleotide polymorphism; SNP; drug discovery; haplotyping; infectious diarrhoea; growth hormone deficiency; allele-specific oligonucleotide; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Galanin receptor gene GALR1 allele-specific oligonucleotide #46.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   primers for amplifying mouse TR gene (terc) promoter sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Nandabalan K;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      41.9%; Score 13; DB 20; Length 29; 100.0%; Pred. No. 5.6e+02; ative 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 29 BP; 8 A; 8 C; 9 G; 4 T; 0 other;
     Disclosure; Fig 6; 109pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Choi JY,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Claim 16; Page 15; 99pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (GENA-) GENAISSANCE PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAS98334 Btandard; DNA; 15 BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  16-APR-2001; 2001WO-US12306.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        14-APR-2000; 2000US-197838P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          12-MAR-2002 (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              29 rrcrcccrcacrr 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Local Similarity 100.
Les 13; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Bentivegna SC, Chew A,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WPI; 2002-066341/09.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WO200179237-A2.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              25-OCT-2001.
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                                                                                                                                                                                                                                                                                                                                                                                                                                  The invention relates to a pharmaceutical composition comprising at least one of: (a) a polypeptide (I) comprising fully defined sequences of ABB77511, ABB77514 or ABB77512 or the corresponding polypeptide from other Borrelia or their immunogenic fragments; (b) nucleic acids (II) that encode (I) or sequences that hybridise with them under stringent conditions; or (c) antibodies directed against (I). The antibodies are used for diagnosis of Borrelia infection (Lyme borreliosis) and in vaccines for treating or preventing Borrelia infections, in human or veterinary medicine. The present sequence is that of a PCR primer for amplification of a Borrelia burgdorferi
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
                                                                                                                                                                                                                                                                     Pharmaceutical composition comprises Borrelia antigens and encoding nucleic acid, useful for diagnosis, treatment and prevention of Lyme borreliosis .
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TR; promoter; cytotoxin; cancer; neoplasia; terc;
thymidine kinase gene; anticancer therapy; mouse;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Mouse and human telomerase RNA gene promoters, useful for tumor specific gene therapy
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               41.9%; Score 13; DB 24; Length 28; 100.0%; Pred. No. 5.6e+02;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Mouse telomerase RNA gene specific primer mtr30r.
                                                                                                         (PLAC ) MAX PLANCK GES POERDERUNG WISSENSCHAFTEN.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 28 BP; 10 A; 6 C; 7 G; 5 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      100.0%; Pred. No. 5.c.
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                                                                                                                                                                                                                                                                                                                                                                                       Example 1; Page 6; 58pp; German.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAZ07292 standard; DNA; 29 BP.
30-MAY-2001; 2001DE-1026367.
                                                        20-NOV-2000; 2000DE-1057442
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                                                                                                                                                               Simon MM, Wallich R;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Telomerase RNA; TR;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                gene therapy; the PCR primer; ss.
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cc gene present in the individual, the identity of the nucleotide pair at one or more polymorphic sites. The method is useful for determining whether an individual has a haplotype or haplotype pairs defined in the specification. This is useful for improving the efficacy and reliability of several steps in the discovery and development of drugs for treating diseases associated with GALRI activity, e.g., infectious diarrhoea and convert hormone deficiency, to validate GALRI as a candidate agent for treating a specific condition or disease predicted to be associated with GALRI activity, and in the design of clinical trials of candidate drugs converting a specific condition or disease predicted to be associated with GALRI activity. The method is useful to screen for compounds crargeting GALRI to treat a specific conditions or disease associated with GALRI activity. A GALRI polymucleotide or variant is useful in struction and function of GALRI, and in expressing GALRI activity. The polymucleotide or variant is useful for studying expression and function of GALRI, and in expressing GALRI activity of the GALRI isogenes in vivo, for in vivo screening and testing of drugs targeted against GALRI protein, and for studying the variation on the biological activity of GALRI as well as on the binding affiliaty of candidate drugs targeting GALRI for the treatment of infectious diarrhoea and growth hormone insufficiency. AAS98289-
AAS98408 represent human GALRI gene allele-specific oligonucleotides used invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               nvention.
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Sequence 15 BP; 2 A; 3 C; 9 G; 0 U; 1 other; 38.7%;

Gaps .; 0 Length 15; 0; Indels Score 12; DB 24; I; Pred. No. 1.9e+03; 0; Mismatches 0; Query Match
Query Match
Best Local Similarity 100.vv ò

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AAS98336 standard; DNA; 15 BP AAS98336; RESULT 11 AAS98336/

12-MAR-2002 (first entry)

Galanin receptor; GALR1; human; single nucleotide polymorphism; SNP; drug discovery; haplotyping; infectious diarrhoea; growth hormone deficiency; allele-specific oligonucleotide; ss. Galanin receptor gene GALR1 allele-specific oligonucleotide #48.

Homo sapiens

WO200179237-A2.

25-OCT-2001

16-APR-2001; 2001WO-US12306

14-APR-2000; 2000US-197838P.

(GENA-) GENAISSANCE PHARM INC.

Nandabalan K; Denton RR, Choi JY, Bentivegna SC, Chew A,

WPI; 2002-066341/09.

Genotyping human galanin receptor gene of an individual for determining haplotype of an individual, involves determining the identity of nucleotide pair at specific polymorphic sites for two copies of the gene

Claim 16; Page 15; 99pp; English.

gene

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cof an individual, involving determining for the two copies of the GALRI cene present in the individual, the identity of the nucleotide pair at one or more polymorphic sites. The method is useful for determining cone or more polymorphic sites. The method is useful for determining cone or more polymorphic sites. The method is useful for determining cone or more polymorphic sites. The method is useful for determining conference in the discovery and development of drugs for treating diseases associated with GALRI activity, e.g., infectious diarrhoea and creating a specific condition or disease predicted to be associated with GALRI activity, and in the design of clinical trials of candidate drugs for treating a specific condition or disease predicted to be associated with GALRI activity. The method is useful to screen for compounds traceing GALRI activity. The method is useful to screen for compounds traceing drugs activity. The method is useful to a variant is useful in creating carpression and function of GALRI activity. A GALRI polymucleotide or variant is useful for related to GALRI activity. The polymucleotide or variant is useful for related to GALRI activity. The GALRI isogenes in vivo, for in vivo screening cand testing of drugs targeted against GALRI protein, and for studying the expression of the GALRI isogenes in vivo, for in vivo screening cand testing of drugs targeted against GALRI protein, and for studying the variation on the biological activity of GALRI as well as on the biological activity of GALRI for the treatment cone in the creating of the variation on the biological activity of GALRI is well as on the biological activity of GALRI for the treatment cone in the cone of the variance of the varianc
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            of infectious diarrhoea and growth hormone insufficiency. AAS98289-AAS98408 represent human GALR1 gene allele-specific oligonucleotides used to detect GALR1 gene polymorphisms as described in the method of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Genotyping human galanin receptor gene of an individual for determining haplotype of an individual, involves determining the identity of nucleotide pair at specific polymorphic sites for two copies of the
invention relates to genotyping human galanin receptor (GALR1) gene
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Galanin receptor; GALR1; human; single nucleotide polymorphism; SNP;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Galanin receptor gene GALR1 allele-specific oligonucleotide #53.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               drug discovery; haplotyping; infectious diarrhoea; growth hormone deficiency; allele-specific oligonucleotide; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Nandabalan K;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 15;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                38.7%; Score 12; DB 24; L
100.0%; Pred. No. 1.9e+03;
ive 0; Mismatches 0;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 15 BP; 1 A; 3 C; 10 G; 0 U; 1 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Choi JY,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         В
В
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        16-APR-2001; 2001WO-US12306.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      14-APR-2000; 2000US-197838P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     38.78;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAS98341 standard; DNA; 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Best Local Similarity 100.
Matches 12; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 CTCCCGCGCGC 12
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           13 CICCCGCGCGC
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WO200179237-A2.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          12-MAR-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     25-OCT-2001.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     invention.
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The sequences given in AAQ49657-707 are antisense oligonucleotides which contain altered inter-sugar linkages, pref. phosphorothionate linkages. These oligomers bind with the protein kinase C (PKC) mRNA at the transcription initiation site, the translation initiation site, the S' cap region, an intron/exon boundary, coding sequences or sequences in the 5'- or 3'-untranslated regions. These oligonucleotides may be used in diagnostics, therapeutics, prophylaxis and as research reagents. The numbers allocated to the oligonucleotides are relative to the first residue to be sequenced
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Antisense; oligonucleotide; inter-sugar linkage; protein kinase C; phosphorotchionate linkage; PKC; transcription initiation site; translation initiation site; cap region; intron/exon boundary; diagnosis; therapeutics; prophylaxis; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                on the cDNA, which is 28 residues upstream of the ATG start codon.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Oligo-nucleotide(s) hybridise to nucleic acids encoding Protein kinase C - useful as diagnostics and therapeutics for disease states associated with particular isozymes of PKC
                                                                                                      Oligo-nucleotide(s) hybridise to nucleic acids encoding Protein
kinase C - useful as diagnostics and therapeutics for disease
states associated with particular isozymes of PKC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PKC-beta type I and II translation inititation codon binding oligomer 134-115.
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/*tag= a
/note= "Phosphorothionate linkages"
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100.0%; Pred. No. 2e+03;
ative 0; Mismatches 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 20 BP; 2 A; 7 C; 8 G; 3 T; 0 other;
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                                                                                                                                                                                                                  Claim 6; Page 18; 64pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Bennett CF, Dean N;
     Dean N;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity
     Bennett CF,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             25-FEB-1993;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WO9319203-A.
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     셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          The invention relates to genotyping human galanin receptor (GALRI) gene of an individual, involving determining for the two copies of the GALRI gene present in the individual, the identity of the nucleotide pair at cone or more polymorphic sites. The method is useful for determining whether an individual has a haplotype or haplotype pairs defined in the specification. This is useful for improving the efficacy and reliability of several steps in the discovery and development of drugs for treating diseases associated with GALRI activity, e.g., infectious diarrhoea and growth hormone deficiency, to validate GALRI as a candidate agent for treating a specific condition or disease predicted to be associated with GALRI activity, and in the design of clinical trials of candidate drugs for treating a specific condition or disease predicted to be associated with GALRI activity. The method is useful to soreen for compounds targeting GALRI activity. The method is useful to a creat disease associated with GALRI activity. The polymucleotide or variant is useful for protein for use in screening for candidate drugs to treat diseases treated to GALRI activity. The polymucleotide or variant is useful for studying expression of the GALRI isogenes in vivo, for in vivo screening and testing of drugs targeted against GALRI for the treatment of fine binding affinity of candidate drugs targeting GALRI for the treatment of interest all and protein for the variation on the biological activity of GALRI activity of interest and the proper of infectious diarrhose and growth hormone insufficiency. Assystance and spreament all activity of interest and the proper of infectious diarrhose and growth hormone insufficiency. Assystance of infectious diarrhose and growth hormone insufficiency and for studying expression of the variation on the biological activity of GALRI descenting the proper of infectious diarrhose and growth hormone insufficiency of candidate drugs targeting diarrhose all spreament all activity of candidate and spreament all act
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAS98408 represent human GALK1 gene allele-specific oligonucleotides used to detect GALK1 gene polymorphisms as described in the method of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
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/note= "Phosphorothionate linkages"
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Claim 16; Page 15; 99pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAQ49677 standard; DNA; 20 BP.
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/*tag=
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misc_feature
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AAQ49677/c
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Best Loca Matches

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Gaps

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0; Indels

Claim 6; Page 18; 64pp; English.

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/notes "at least one (and preferably all) of
the backbone subunits are composed of N-acetyl
N-(2-aminoethyl)glycine peptide residues, the
nucleobase being attached covalently to the
acetyl group and the peptide linkage being
formed by condensation of the glycine
carboxy group of one residue with the amino
group of the 2-aminoethyl moiety in the next
                         The sequences given in AAQ49657-707 are antisense oligonucleotides which contain altered inter-sugar linkages, pref. phosphorothionate linkages. These oligomers bind with the protein kinase C (PKC) mRNA at the transcription initiation site, the translation initiation site, the 5' cap region, an intron/exon boundary, coding sequences or sequences in the 5'- or 3'-untranslated regions. These oligonucleotides may be used in diagnostics, therapeutics, prophylaxis and as research reagents. The numbers allocated to the oligonucleotides are relative to the first residue to be sequenced on the cDNA, which is 28 residues upstream of the ATG start codon.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       New peptide nucleic acid oligomers specific for protein kinase C isozyme(s) - useful as anti:sense molecules for treating PKC mediated disease, e.g. cancer, psoriasis and inflammation
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PNA oligomer targetting AUG region of PKC-beta isoforms I & II
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Peptide nucleic acid; PNA, PKC-alpha, protein kinase C; ss, cell proliferation, cell differentiation, isozyme; antisense; triple helix; cancer; psoriasis; inflammation.
                                                                                                                                                                                                                                        DB 14; Length 20; 2e+03;
                                                                                                                                                                                                                                                                        0; Indels
                                                                                                                                                                                                           Sequence 20 BP; 2 A; 6 C; 11 G; 1 T; 0 other;
                                                                                                                                                                                                                                                                         0; Mismatches
                                                                                                                                                                                                                                                          Pred. No.
                                                                                                                                                                                                                                          38.7%; Score 12;
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                                                                                                                                                                                                                                                                                                                                                                                                                       AAQ97894 standard; DNA; 20 BP
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                                                                                                                                                                                                                                                         Local Similarity 100.
nes 12; Conservative
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AAQ97894/c
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of naturally occurring nucleobases covalently bound to a polyamide backbone and (b) hybridise to the translation initiation AUG region, coding region, 5 untranslated region (5' UTR) or 3' untranslated region (5' UTR) or 3' untranslated region (5' UTR) of PKC-alpha or its isoforms. The PNAs can be used to target RNA and single stranded DNA (sBDNA) to produce antisense-type gene regulation moieties. They inhibit expression of PKC-alpha and its isoforms (including beta, gamma, delta, epsilon, zeta and eta) and so are useful for treating and diagnosing cell proliferation and differentation processes such as neoplastic, hyperproliferative and inflammatory diseases.
                                                                                                                                                                                                                                                               and inflammatory diseases.

PNA oligomers have high affinity for complementary single stranded DNA. They are also able to form triple helices in which a first PNA strand binds with RNA or ssDNA and a second PNA strand binds with the resulting double helix or with the first PNA strand. The PNAs possess no significant charge and are water soluble, which facilitates cellular uptake. Futher, since they contain andes of non-biological amino acids, they are biostable and resistant to enzymatic degradation by proteases. The present sequence targets the AUG region of PKC-beta isoforms I & II.
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1 (bases 1 to 30)
Villeponteau, B., Feng, J., Funk, W. and Andrews, W.H. Assays for the DNA component of human telomerase Patent: US 5776679-A 22 07-UL-1998;
Location/Qualifiers Unclassified. REFERENCE AUTHORS TITLE JOURNAL FEATURES

Pred. No. is the number of results predicted by chance to have a

em_htgo_mus:* em_htgo_other:*

AX226312 Sequence
AX226312 Sequence
AX226312 Sequence 21
187126 Sequence 22
A51391 Sequence 7.
E16661 PCR primer
A97274 Sequence
AX12395 Sequence
AX12395 Sequence
AX12480 Sequence
AX12480 Sequence
AX18953 Sequence PAT 05-DEC-1998 AR059215 Sequence AR075526 Sequence AR161924 Sequence I31769 Sequence AX350093 Sequence AR039910 Sequence AR184928 Sequence AR191109 Sequence AR191441 Sequence A49464 Sequence 4 AR093964 Sequence AX019577 Sequence AX019580 Sequence AX019578 Sequence AR07655 Sequence AR076657 Sequence AR182713 Sequence AR037771 Sequence 117308 Sequence 17 A23777 CASOLIO oli 147763 Sequence 35 AR016054 Sequence AR059215 Sequence AX181212 Sequence AR053660 Sequence AR053705 Sequence AR054939 Sequence AR093969 Sequence AR175941 Sequence Sequence score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution. Description AR016060 AR075532 linear DNA 30 bp Sequence 22 from patent US 5776679. AR016054 AR016054.1 GI:3972331 ALIGNMENTS SUMMARIES A51391 A9724 AX129365 AX122485 AR124806 AR124806 AR124806 AR124806 AR19927 AR039910 AR350093 AR350093 AR350093 AR350093 AR36093 AR191441 AR191109 AR191441 AR191441 AR191441 AX019578
AR076656
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187125 I47763 AX181212 AR053660 AR054939 AR093969 AR175941 AR053705 В Query Match Length Unknown. Unknown Score KEYWORDS SOURCE ORGANISM RESULT 1
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1 (bases 1 to 30)
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Mammalian telomerase
Patent: US 5583016-A 22 10-DEC-1996;
Location/Qualifiers
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Villeponteau, B., Feng, J., Funk, W. and Andrews, W.H. Assays for the DNA component of human telomerase Patent: US 5776679-A 28 07-JUL-1998;
Location/Qualifiers
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Pred. No. 0.023;
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Villeponteau, B., Feng, J., Funk, W. and Andrews, W.H. Mammalian telomerase
Patent: US 6258535-A 22 10-JUL-2001,
Location/Qualifiers
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1 (bases I to 30)
Villeponteau, B., Peng, J., Funk, W. and Andrews, W.H.
Mammalian telomerase
Patent: US 5958680-A 23 28-SEP-1999;
Fatent: Location/Qualifiers
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Villeponteau, B., Feng, J., Funk, W. and Andrews, W.H. Mammalian telomerase
Patent: US 5837857-A 22 17-NOV-1998;
Location/Qualifiers
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Patent: WO 9938964-A 34 05-AUG-1999;
KEITH WILLIAM NICOL (GB); CANCER RES CAMPAIGN TECH (GB)
Location/Qualifiers
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KEITH WILLIAM NICOL (GB); CANCER RES CAMPAIGN TECH (GB)
Location/Qualifiers
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Best Local Similarity 100.0%; Pred. No. 4.2e+03;
Matches 13; Conservative 0; Mismatches 0;
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Sequence 21 from patent US 5959096.
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Sequence 34 from Patent WO9938964.
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Sequence 32 from Patent W09938964.
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KEITH WILLIAM NICOL (GB); CANCER RES CAMPAIGN TECH (GB)
Location/Qualifiers
                                DB 6; Lens.
                                                                                                                                                                                                                                                                     Unknown.
Unclassified.
Unclassified.
Villeponteau, B., Feng, J., Funk, W. and Andrews, W.H.
Mammalian telomerase
Patent: US 5958680-A 29 28-SEP-1999;
Location/Qualifiers
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/organism="synthetic construct"
/db_xref="taxon:32630"
/note="primer"
a 5 c 7 g 2 t
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                                         Query Match 67.7%; Score 21; DB Best Local Similarity 100.0%; Pred. No. 0.0 Matches 21; Conservative 0; Mismatches
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Sequence 29 from patent US 5958680.
AR075532.1 GI:10002280
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Sequence 31 from Patent WO9938964.
AX019577
AX019577.1 GI:10043491
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Bennett, C. Frank., Dean, N.M., Cook, P. Dan. and Hoke, G.
Antisense oligonucleotides which have phosphorothicate linkages of
high chiral purity and which modulate .beta.I, .beta.II, .gamma.,
.delta., .EPSILON., .zeta. and .eta. isoforms of human protein
kinase C
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38.7%; Score 12; DB 6; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.6e+04;
Matches 12; Conservative 0; Mismatches 0; Indels
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M synthetic construct
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artificial sequences.

1 (bases 1 to 20)
Cligonucleotide modulation of protein kinase conjugonucleotide modulation of protein kinase conjugonucleotide modulation.

ISIS PHARMACEUTICALS, INC. (US)
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iive 0; Mismatches 0;
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Location/Qualifiers
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Sequence 22 from patent US 6339066.
AR182714
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Sequence 21 from Patent EP1126025.
AX226311

    .20
    /organism="synthetic cc/db_xref="taxon:32630"
/note="Artificial"

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1 (bases 1 to 20)
Bennett, C. Frank. and Dean, N.
Antisense oligonucloctides against human protein kinase C
Patent: US 5559096-A 22 28-SEP-1999;
Location/Qualifiers
                                                                                                  University...
1 (Dasses I to 20)
Bennett,C.Frank. and Dean,N.
Antisense oligonucleotides against human protein kinase
Patent: US 5959096-A 21 28-SEP-1999;
Location/Qualifiers
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Sequence 21 from patent US 6339066.
AR182713
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Sequence 22 from patent US 5959096.
AR076657
AR076657.1 GI:10003403
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JOURNAL

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S Li,Y., Rosso,M., Strizhov,N. and Weisshaar,B..

Location Submission

Submitted (17-JUN-2002) Weisshaar B., Max-Planck-Institut fuer

Zuechtungsforschung, Carl-von-Linne-Weg 10, Koeln, 50829, Germany

This sequence is recovered from the left border of the T-DNA. It

indicates an insertion within the locus defined by clone MF220. The

sequences are generated at the MPI for Plant Breeding Research in

the context of the GABI-Kat project. GABI-Kat is part of the German

Plant Genomics program designated 'GABI'. Information on line

availability can be found at:

http://www.mpiz-koeln.mpg.de/GABI-Kat/.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     insertions. The DNA fragment(s) resulting from the PCR were directly sequenced to determine the genomic sequence flanking the insertion. Sequences displaying significant similarity to the A. thalaina nuclear genome sequence were processed for submission. T-DNA derived sequences were
                                                AL764814 40 bp DNA linear GSS 18-JUN-2002 Arabidopsis thaliana T-DNA flanking sequence GK-131C11-012721,
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/db xref="taxon:3702"
/clone="GK-13101-012721"
/clone_lib="Arabidopsis thaliana T-DNA insertion lines"
/note="FOR was performed on DNA from Arabidopsis thaliana plants (T1) which were transformed with the T-DNA from ector pAC161. The lines contain one or more T-DNA
                                                                                                                                                                                                                 thale cress.
Arabidopsis thaliana
Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots;
Rosidae; eurosids II; Brassicales; Brassicaceae; Arabidopsis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Rosso,M., Strizhov,N., Li,Y., Reiss,B., Dekker,K. and Weisshaar,B. A new Arabidopsis thaliana T-DNA mutagenised population (GABI-Kat) for flanking sequence tag based reverse genetics
                                                                                                                                                                                                                                                                                                                                                                                    Strizhov, N., Li, Y., Rosso, M., Viehoever, P., Dekker, K., Saedler, H.
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uj06a10.x1 Sugano mouse liver mlia Mus musculus cDNA clone
IMAGE:1891290 3' similar to SW:ATP6_MOUSE P00848 ATP SYNTHASE A
CHAIN ; mRNA sequence.
AI266869
                                                                                                                                                                                                                                                                                                                                                                                                           and Weisshaar, B.
A pipeline for automated high-throughput generation of FSTs
(flanking sequence tags) from Arabidopsis thaliana T-DNA
transformed lines
Unpublished
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                                                                                                            genomic survey sequence.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polymuclectide kinase. Adaptor oligonuclectides were ligated to the blunt ends in high molar excess. The adaptored DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gal electrophoresis. Vector DNA was prepared from a derivative of pward [4732114]galAR129772.1), a copy.number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptored mouse DNA was annealed to adaptored vector DNA, and transformed into chemically-competent B. coli Xii0-Gold (Stratagene) cells and selected for ampicillin resistance."
                                                                                                                                                                                                                                                            Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus. 1 (bases 1 to 35)

El 1 (bases 1 to 35)

Dunn, D. Aoyagi, A., Barber, M., Beacorn, T., Duval, B., Hamil, C., Islam, H., Longacre, S., Mahmoud, M., Meenen, E., Pedersen, T., Reilly, M., Rose, M., Rose, R., Stokes, R., Tingey, A., von Niederhausern, A. Mouse whole genome scaffolding with paired end reads from 10kb plasmid inserts

Unpublished (2000)

Contact: Robert B. Weiss
University of Utah Genome Center
                                                AZ332622 35 bp DNA linear GSS 29-SEP-2000 1M0061M11F Mouse 10kb plasmid UUGCIM library Mus musculus genomic clone UUGCIM0061M11 F, DNA sequence.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          /sex="Male"
/lab_host="E. Coli strain XLI0-Gold, T1-resistant, P-"
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/strain="C57BL/6J"
/db_xref="taxon:10090"
/clone="UUGC1M0061M11"
/clone_lib="Mouse 10kb plasmid UUGC1M library"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Insert Length: 10000 Std Brror:
Plate: 0061 row: M column: 11
Seg primer: CGTTGTAAAACGACGCCAGT
Class: plasmid ends
High quality sequence stop: 35.
Location/Qualifiers
                                                                                                                                                       AZ332622.1 GI:10396450
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source

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BASE COUNT ORIGIN

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Rosidae, eurosids II, Brassicales, Brassicaceae, Arabidopsis.
1 (bases 1 to 45)
Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots;
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                                                                                                                                                                                                                                                                                                                          Email: ecker@salk.edu
                                                                                                                                                      Arabidopsis Genome
Unpublished (2001)
                                                                                                                                                                                                                                                                                                                                                                                     Class: TDNA tagged
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           /note="Organ: liver; Vector: pME185-FL3; Site_1: DraIII (CACCATGTCTG); 1st strand cDNA was primed with an oligo(dT) primer [ATGTGGCTTTTTTTTTTTTTTTTTTT]; double-stranded cDNA was ligated to a DraIII adaptor [TGTTGGCTACTGG], digested and cloned into distinct DraIII sites of the pME185-FL3 vector (S' site CACTGTGTG] 3: site CACTGTGTG], site CACTGTGTG 3: site CACTGTGTG] be used to isolate the cDNA insert. Size selection was performed to exclude fragments <1.5bb. Library constructed by Dr. Sumio Sugano (University of Tokyo Institute of Medical Science). Custom primers for sequencing: 5' end primer CTTCTGCTCTAAAAGCTGCG and 3' end
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              A5 bp DNA linear GSS 02-MAY-2002 SALK 065322 Arabidopsis thaliana TDNA insertion lines Arabidopsis thaliana genomic clone SALK_065322, DNA sequence.
                                                             Bukaryota, Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi;
Mammalia; Butheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
1 (bases 1 to 43)
Marra,M., Hillier,L., Allen,M., Bowles,M., Dietrich,N., Dubuque,T., Schellenberg,K., Kucaba,T., Lacy,M., Le,M., Martin,J., Morris,M., Schellenberg,K., Steptoe,M., Tan,F., Underwood,K., Moore,B., Theising,B., Wylie,T., Lennon,G., Soares,B., Wilson,R. and
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Arabidopsis thaliana
Bukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
                                                                                                                                                                                                                                                                           Contact: Marka MyNouse EST Project
Washington University School of MedicineP
Washington University School of MedicineP
4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108
Tel: 314 286 1810
Fax: 314 286 1810
Email: mouseest@wateon.wustl.edu
This clone is available royalty-free through LLNL; contact the
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Trace considered overall poor quality
Possible reversed clone: similarity on wrong strand
Seq primer: custom primer used
High quality sequence stop: 1.
Location/Qualifiers
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/clone="IMAGE:1891290"
/clone_lib="Sugano mouse liver mlia"
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/organism="Mus musculus"
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Unpublished (1996)
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/lab_host="DH108"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  /strain="C57BL"
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                                              Mus musculus
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JOURNAL
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AIGB0115

tw65a03.x1 NCI CGAP Ut3 Homo sapiens cDNA clone IMAGE:2264524 3'
similar to TR:000405 000405 FB19 PROTEIN.; contains MER22.b3 MSR1
repetitive element;, mRNA sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Tumor Gene Index
Unpublished (1997)
Contact: Robert Strausberg, Ph.D.
Email: cgapbs-rémail.nih.gov
Tissue Procurement: Christopher Moskaluk, M.D., Ph.D., Michael R.
Emmert-Buck, M.D., Ph.D.
Emmert-Buck, M.D., Ph.D.
CDNA Library Preparation: Life Technologies, Inc.
cDNA Library Arrayed by: Greg Lennon, Ph.D.
DNA Sequencing by: Mashington University Genome Sequencing Center
Clond distribution: NCI-CGAP clone distribution information can be
found through the I.M.A.G.E. Consortium/LLNL at:
www-bio.llnl.gov/bbrp/image/image.html
Alonso, J.M., Leisse, T.J., Barajas, P., Chen, H., Cheuk, R., Gadrinab, C., Jeske, A., Karnes, M., Kim, C.J., Parker, H., Prednis, L., Shinn, P., Zimmerman, J. and Ecker, J.R.
A Sequence-Indexed Library of Insertion Mutations in the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           /db xref="taxon:3702"
/clone="SALK 065322"
/clone="SALK 065322"
/clone lib="Arabidopsis thaliana TDNA insertion lines"
/note="PCR was performed on Arabidopsis thaliana lines each of which contains one or more TDNA insertion elements. The resultant fragment for each line was the site of insertion. Details of the periodic sequence at the site of insertion. Details of the protocols used can be found at http://signal.salk.edu/tdna_protocols.html"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Homo sapiens
Makaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mamaalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
1 (bases 1 to 46)
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National Cancer Institute, Cancer Genome Anatomy Project (CGAP),
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           This is single pass sequence recovered from the left border of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
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                                                                                                                                                                                                         Contact: Joseph R. Ecker Salk Institute Genomic Analysis Laboratory (SIGNAL)
The Salk Institute for Biological Studies
10010 N. Torrey Pines Road, La Jolla, CA 92037, USA
Fax: 858 558 6379
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     36.7%; Score 11; DB 17; Length 45; 100.0%; Pred. No. 1.6e+05; Live 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          /organism="Arabidopsis thaliana"
/strain="Columbia 0"
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18 crccccccccc 7

Search completed: June 23, 2003, 20:29:43 Job time : 310.975 secs

(OTASU) NNA 18 30A9 SIHT

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AZ404140 1M0172J15
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AA909236 0108a11.8
AZ29120 1M0053A14
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ALG48782 DKFZD5660
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A2332622 1M0061M11
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                                                                                                                                                                                                                                                                                                                           A1377008 tc34hl0.x
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A1364767 qu18d02.x
A2646399 1M0274L06
AV962684 AV9626864
A2441070 1M0226A02
AL743393 Danio rer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AV812474 K. Sato unpublished cDNA library: Hordeum vulgare subsp. vulgare leaves vegetative stage Hordeum vulgare subsp. clone baak3h01, mRNA sequence.
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Eukaryota, Viridiplantae, Streptophyta, Embryophyta, Tracheophyta,
Spermatophyta, Magnoliophyta, Liliopsida, Poales, Poaceae, Pooideae
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AI149355 qc82b03.x
AU013748 AU013748
AU256767 AU256767
   AA911862 og21a09.8
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Contact: Kazuhiro Sato
Contact: Kazuhiro Sato
Research Institute for Bioresources
Okayama University, Barley Germplasm Center
Chuo 2-20-1, Kurashiki, Okayama 710-0046, Japan
Email: kazsato@rib.okayama-u.ac.jp/barley/
URL:http://www.rib.okayama-u.ac.jp/barley/
Sato,K., Saisho,D., Takeda,K., Shini,T. and Kohara,Y. Direct submission;
database:http://www.shigen.nig.ac.jp/barley/Barley.html.
                                                                                                                     AZ404140
AU105989
AZ52420
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AZ329120
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AA91248
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A2514722 1M0361C10
A1037566 Homo sapi
A1189788 qd33d03.x
AL756125 Arabidops
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                                                                                                               June 23, 2003, 16:08:34 ; Search time 785.207 Seconds (without alignments) 618.773 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
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              GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.
                                                                                                                                                                                                                        GGGGTGGTGCCATTTTTTGTCTAACCCTA 30
                                                                                                                                                                                                                                                                                                               residues
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                                                                                  nucleic search, using sw model
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Gapop_60.0 , Gapext 60.0
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em_gas_pro:4
em_gas_rod:4
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Word size :

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Database

Title: Perfect score:

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nucleic

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Run on:

Scoring table:

Score

Result No.

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4 12 0

Length 37;

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Best Local Similarity 100.
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                                                                                                                                                                                                                                                                                                                                                                                                                                Mus musculus
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              w127f04.x1 NCI CGAP Kidl2 Homo sapiens cDNA clone IMAGE:2404063 3' similar to SW:TENS_CHICK Q04205 TENSIN. ;, mRNA sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Contact: Robert Strausberg, Ph.D.
Email: cgapbs-r@mail.nih.gov
Tissue Procurement: Christopher Moskaluk, M.D., Ph.D., Michael R.
Tissue Procurement: Christopher Moskaluk, M.D., Ph.D.,
CDNA Library Preparation: M. Bento Soares, Ph.D.
CDNA Library Arrayed by: Greg Lennon, Ph.D.
DNA Sequencing by: Washington University Genome Sequencing Center
Clone distribution: NCI-CGAP clone distribution information can be
found through the I.M.A.G.E. Consortium/LLNL at:
                                                                                                                                                                                                                                                                                                                 ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Eukaryota, Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

1 (bases 1 to 37)

Nati-CGAP http://www.ncbi.nlm.nih.gov/ncicgap.

National Cancer Institute, Cancer Genome Anatomy Project (CGAP), Tumor Gene Index
Unpublished (1997)
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/cultivar="Akashinriki"
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/clone="baak3h01"
vulgare subsp. vulgare leaves vegetative stage"
/tissue_type="leaves"
                                                                                                                                                                                                                                                                                                                 Gaps
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/clone_lib="NCI_GAP_Kid12"
/tissue_type="2 pooled tumors (clear cell type)"
/tissue_type="2 pooled tumors (clear cell type)"
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0
                                                                                                                                                                                                                                                                46.7%; Score 14; DB 10; Length 42; 100.0%; Pred. No. 4.9e+03; ive 0; Mismatches 0; Indels
                                                                                                                                                                                               1 others
                                                                                                                                                                            'dev_stage="vegetative stage"
6 c 5 g 14 t
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            organism="Homo sapiens"
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BASE COUNT ORIGIN

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/Grounder_IDST modure from pressure coccurrings.
// sex="Male"
// lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
// note="Vector: PWD4Zny; Purified genomic DNA from M.
musculus C57BL/6J (male) was obtained from the Jackson
Laboratory Mouse DNA Resources/documents/dnares/). The DNA
was hydrodynamically sheared by repeated epassage through a
0.005 inch orifice at constant velocity. The sheared DNA
was blunt end-repaired with T4 DNA polymerase and T4
polymucleotide kinase. Adaptor oligonucleotides were
ligated to the blunt ends in high molar excess. The
adaptored DNA was purified and size-selected for a 9.5 to
10.5 kb range using preparative agarose gel
electrophoresis. Vector DNA was prepared from a derivative
of pWD42 (gi|4732114|gb|AF129072.1), a copy-number
inducible derivative of plasmid R1. The vector was ligated
with adaptors complementary to the insert adaptors and
purified. The sheared, adaptored mouse DNA was annealed to
adaptored vector DNA, and transformed into
chemically-competent E. coli XL10-Gold (Stratagene) cells
and selected for ampicillin resistance."
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                                                                                                                                                                                                                                                                                                                                                                     AZ514722 19 bp DNA linear GSS 05-OCT-2000 LM0361C1OR Mouse 10kb plasmid UUGC1M library Mus musculus genomic control of the UUGC1M0361C10 R, DNA sequence.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus. I (bases I to 19)

Dunn, D., Aoyagi, A., Barber, M., Beacorn, T., Duval, B., Hamil, C., Islam, H., Longacre, S., Mahmoud, M., Meenen, E., Pedersen, T., Reilly and Wright, D., Weiss, R., Stokes, R., Tingey, A., von Niederhausern, A. Mouse whole genome scaffolding with paired end reads from 10kb plasmid inserts.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       S. 2030 E., SLC,
                                                                       Gaps
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/db xref="taxon:10090"
/dlone="UDGCIM0361210"
/clone_lib="Mouse 10kb plasmid UUGC1M library"
                                                                       ö
                                                                       Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Unpublished (2000)
Contact: Robert B. Weiss
University of Utah Genome Center
University of Utah
Winiversity of Utah
Rm. 308, Blomedical Polymers Research Bldg., 20
84112, USA
43.3%; Score 13; DB 9; Le
100.0%; Pred. No. 1.6e+04;
tive 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Tel: 801 585 5606
Fax: 801 585 7177
Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00
Plate: 0361 row: C column: 10
Seq primer: CACACAGGAAACAGCTATGACC
Class: plasmid ends
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           /organism="Mus musculus"
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ORIGIN
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AL756125 33 bp DNA linear GSS 17-JUN-2002 Arabidopsis thaliana T-DNA flanking sequence GK-105G12-012137, genomic survey sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        double-stranded cDNA was size selected, ligated to Eco RI adapters (Pharmacia), digested with Not I and cloned into the Not I and Eco RI sites of a modified pT7T3 vector (Pharmacia). Library constructed by Bento Soares and M.Fatima Bonaldo."
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Eukaryoča; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots;
Rosidae; eurosids II; Brassicales; Brassicaceae; Arabidopsis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Rosso,M., Strizhov,N., Li,Y., Reiss,B., Dekker,K. and Weisshaar,B. A new Arabidopsis thaliana T-DNA mutagenised population (GABI-Kat) for flanking sequence tag based reverse genetics Unpublished
                                                                                                   Bukaryota, Metazoa, Chordata, Craniata, Vertebrata, Buteleostomi, Mammalia, Butheria, Primates, Catarrhini, Hominidae, Homo.
1 (Dases 1 to 31)
NCI-CGAP http://www.ncbi.nlm.nih.gov/ncicgap.
NATI-CGAP fatto://www.ncbi.nlm.nih.gov/ncicgap.
Tumor Gene Institute, Cancer Genome Anatomy Project (CGAP), Unpublished (1997)
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                                                                                                                                                                                                                                                                                Contact: Robert Strausberg, Ph.D.

Email: cgapbs r@mail.nih.gov
This clone is available royalty-free through LLNL; contact the
IMAGE Consortium (info@image.llnl.gov) for further information.

Trace considered overall poor quality
Insert Length: 977 Std Brror: 0.00
Seq primer: -40UP from Gibco
High quality sequence stop: 1.

Location/Qualifiers
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100.0%; Pred. No. 1.7e+05;
iive 0; Mismatches 0;
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/organism="Homo sapiens"
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                                                                                   Homo sapiens
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ORGANISM
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ORIGIN
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AL756125
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Eutheria; Primates; Catarrhini; Hominidae; Homo.
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                                                                                Gaps
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/clone="DKPZp5641147"
/clone_lib="564 (synonym: hfbr2). Vector pAMP1; host
X1-2blue; sites Not1 + Sal1".
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Blum H., Bauersachs S., Mewes W., Gassenhuber J., Wiemann S.;
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MIPS, Am Klopferspitz 18a D-82152 Martinsried, GERMANY
                        Length 19;
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                        Score 11; DB 17; I Fred. No. 1.8e+05; 0; Mismatches 0;
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(Rel. 59, Last updated, Version 1)
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                          36.7%; Score 11; 100.0%; Pred. No.
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HSM001897/c
ID HSM001897 standard; RNA; EST; 30 BP.
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AI189788:1 GI:3740997
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                                                                           Conservative
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Query Match
Best Local Similarity
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COMMENT

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Tumor Gene Index
Unpublished (1997)
Contact: Robert Strausberg, Ph.D.
Emmail: cgapbs-remail.nih.gov
Tissue Procurement: Christopher Moskaluk, M.D., Ph.D., Michael R.
Emmert-Buck, M.D., Ph.D.
CDNA Library Preparation: Life Technologies, Inc.
CDNA Library Arrayed by: Greg Lennon, Ph.D.
DNA Sequencing Dy: Washington University Genome Sequencing Center
Clone distribution: NI-CGAP clone distribution information can be
found through the I.M.A.G.E. Consortium/LLNL at:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1399 HIDSAS ST 22-APR-1999 HEND LINEAR EST 22-APR-1999 ESJT06.X1 NCI CGAP Ut4 Homo sapiens cDNA clone IMAGE:2230787 3' similar to TR:Q04154 Q04154 SALIVARY PROLINE-RICH PROTEIN RP15 PRECURSOR. ; mRNA sequence.
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/note="Organ: peripheral nervous system; Vector:
OrWN-SPORT4; Site 1: Sal1; Site 2: Not1; Cloned
unidirectionally. Primer: Oligo dT. Average insert size
1.1 kb."
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
1 (bases 1 to 34)
NCI-CGAP http://www.ncbi.nlm.nih.gov/ncicgap.
National Cancer Institute, Cancer Genome Anatomy Project (CGAP),
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                                                                                                                                                                                                                     Length 34;
                                                                                                                                                                                                                  36.7%; Score 11; DB 9; Le 100.0%; Pred. No. 1.7e+05; ive 0; Mismatches 0;
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High quality sequence stop: 1.
Location/Qualifiers
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/strain="Columbia 0"
/db xref="texton:3702"
/clone="GK-105612-012137"
/clone="GK-105612-0
                                                                            Submitted (17-JUN-2002) Weisshaar B., Max-Planck-Institut fuer Submitted (17-JUN-2002) Weisshaar B., Max-Planck-Institut fuer Zuechtungsforschung, Carl-von-Linne-Weg 10, Koeln, 50829, Germany This sequence is recovered from the left border of the T-DNA. It indicates an insertion within the locus defined by clone 18910. The sequences are generated at the MPI for Plant Breeding Research in the context of the GABI-Kat project. GABI-Kat is part of the German Plant Genomics program designated 'GABI'. Information on line availability can be found at:

availability can be found at:

Location/Qualifiers
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similar to TR:Q19865 Q39865 HYDROXYPROLINE-RICH GLYCOPROTEIN
footbalms element MER30 repetitive element ;, mRNA sequence.
AA911862
AA911862. GI:3051254
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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National Cancer Institute, Cancer Genome Anatomy Project (CGAP),
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/organism="Homo sapiens"
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/clone="IMAGE:1440472"
/clone=lib="MCI CGAP PNS1"
/tissue type="dorsal root ganglion"
/lab_host="DH108"
                                            Strizhov,N., Li,Y., Rosso,M. and Weisshaar,B. Direct Submission
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Pred. No. 1.7e+05;
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Trace considered overall poor quality
Insert Length: 1082 Std Brror: 0.00
Seq primer: -40ml3 fwd. ET from Amersham
High quality sequence stop: 1.
Location/Qualifiers
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100.0%; Pred. No. ...
... 0; Mismatches
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Inpublished (1997)
Contact: Robert Strausberg, Ph.D.
Email: cgapbs-r@mail.nih.gov
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- nucleic search, using sw model OM nucleic

June 23, 2003, 01:05:28 ; Search time 348.884 Seconds (without alignments) 2502.502 Million cell updates/sec Run on:

US-08-770-564A-8 30 Title: Perfect score:

1 GCTCTAGAATGAACGGTGGAAGGCGGCAGG 30 Sequence:

OLIGO NUC Gapop 60.0 , Gapext 60.0 Scoring table:

2054640 segs, 14551402878 residues Searched:

0 Word size :

841850 Total number of hits satisfying chosen parameters:

Minimum DB seq length: 0 Maximum DB seq length: 50

Post-processing: Listing first 45 summaries

GenEmbl:* Database :

em_hum: *
em_in: *
em_or: *
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Pred. No. is the number of results predicted by chance to have a

score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

	cription	3832	1 Sequenc	96 Se	9893 Sequenc	3850	17989	A94988 Se			AR059216 Sequence	AR075527 Seguence	AR161925 Sequence	AX022187 Sequence	AX033377 Sequence	AX468455 Sequence	BD011297 Human tel	E36508 Method for	E37046 Human telom	131770 Sequence 23	AR063833 Sequence	AR063834 Sequence	BD011244 Human tel	E36993 Human relom	AX29813/ Sequence	AAZIZZBU SEQUENCE AXOQQQS7 Sequence	AX196969 Semience	AX446688 Sequence	I04124 Sequence 8	£3		233		92	sednence 3	159923 Sequence 50	sednence 3	c acquence o	60 Method	ose seduent	124 Novel	53835 Semien	44257 Sequenc	S4446 Semienc	
SOLETIME SOL	Ω	AR063832	AX465471	~	798	AR063850	179	A94988	AR016055	AR028786	AR059216	AR075527	AR161925	AX022187	AX033377	AX468455	BD011297	E36508	E37046	I31770	AR063833		BD011244	E36993	AX29813/	AX212280 AY099957	100	AX446688	104124	AR000025	AR169136	AR202623	AX036237	AR142056	4.	בענו	<u>`</u>	2:	٦:	2:	R50834	16383	2 4	6444	r r r
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30 bp Sequence 8 from patent US 5846723. AR063832. AR063832.1 GI:5993140

PAT 29-SEP-1999

linear

DNA

ALIGNMENTS

Unknown. Unclassified. Unknown.

RESULT 1
AR063832
LOCUS
DEFINITION
ACCESSION
VERSION
KEYWORDS
SOURCE
ORGANISM REFERENCE AUTHORS TITLE JOURNAL FEATURES

1 (bases 1 to 30)

Kim,N.Woo., Wu.F., Kealey,J.T., Pruzan,R. and Weinrich,S.L.

Methods for detecting the RNA component of telomerase

Patent: US 5846/23-A 8 08-DEC-1998;

Location/Qualifiers

Gaps

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PAT 31-AUG-2000

BASE COUNT ORIGIN

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Unknown.
Unknown.
Unclassified.
1 (bases 1 to 30)
1 (bases 1 to 30)
Pruzan, R.A. and Kealey, J.T.
Purified telomerase
Parent: US 596806-A 6 19-OCT-1999;
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Unknown.
Unknown.
Unclassified.
Unclassified.
Kim, N. Woo., Wu,F., Kealey,J.T., Pruzan,R. and Weinrich,S.L.
Kim,N. Woo., Wu,F., Kealey,J.T., Pruzan,R. and Weinrich,S.L.
Methods for detecting the RNA component of telomerase
Patent: US 5846723-A 26 08-DEC-1998;
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Pred. No. 0.03
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Sequence 26 from patent US 5846723.
AR063850.1 GI:5993158
 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                2 CTCTAGAATGAACGGTGGAAGGCGGCAGG 30
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                                                                                                                  AR079893 30 bp Sequence 6 from patent US 5968506.
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Sequence 2 from Patent W00190409.
AX317989
AX317989.1 GI:17900798
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ilarity 100.0%; Po
Conservative 0;
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 29; Conservative
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Matches 29; Conserv
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Method of detection by enhancement of silver staining
Patent: WO 0204681-A 2 17-JAN-2002;
NORTHWESTEN UNIVERSITY (US)
Location/Qualifiers
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                                                                    DB 6; L
1.7e-06;
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unidentified
unclassified.

1 (bases 1 to 30)
Atkinson, E.M. and Kealey, J.T.
PURIFIED TELOMERASE
PATENT: WO 9845450-A 6 15-OCT-1998;
GERON CORP (US)
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/organism="unidentified"
/db_xref="taxon:32644"
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Sequence 2 from Patent WO0204681.
AX465471
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Sequence 6 from Patent W09845450.
A04596
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    /organism≃"unknown"
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1 (Dases 1 to 26)
1 (Alleponteau, B., Feng, J., Funk, W. and Andrews, W.H. Walleponteau, B., Fars, J., Funk, W. and Andrews, W.H. Wammalian telomerase
Patent: US 5837857-A 23 17-NOV-1998;
Location/Qualifiers
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red. No. 0.066;
Mismatches 0; Indels
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                                            Query Match 73.3%; Score 22; DB 6; Length 26; Best Local Similarity. 100.0%; Pred. No. 0.066; Matches 22; Conservative 0; Mismatches 0; Indels
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Location/Qualifiers
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AR028786
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Sequence 23 from patent US 5837857.
AR059216.1 GI:5984793
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Best Local Similarity 100.0%; Pred. No.
Matches 22; Conservative 0; Mismatcl
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unclassified.
1 (bass 1 to 26)
Emrich, T.D.
Method for detection of carcinoma of the urinary bladder within a
                                                     Chen,X.Q. and Anker,P.
Cancer diagnosis method
Patent: WO 0190409-A 2 29-NOV-2001;
Chen, Xu Qi (US) ; Stroun, Maurice (CH) ; Anker, Philippe (CH)
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1 (bases 1 to 26)
1 (bases 2 to 26)
Villeponteau, B., Feng, J., Funk, W. and Andrews, W.H. Assays for the DNA component of human telomerase Patent: US 5776679-A 23 07-UUL-1998;
Location/Qualifiers
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/organism="synthetic_construct"
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Best Local Similarity 100.0%; Pred. No. 0.018;
Matches 23; Conservative 0; Mismatches 0
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Patent: EP 0926245-A 2 30-JUN-1999;
ROCHE DIAGNOSTICS GMBH (DE)
Location/Qualifiers
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Sequence 23 from patent US 5776679.
AR016055.1 GI:3972332
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/organism="unidentified"
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Sequence 2 from Patent BP0926245.
A94988
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3 c 9 g
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3 c 10 g
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Method for detection of htr and htert telomerase-associated rna in
Jansam or serum
Patent: WO 0218652-A 5 07-MAR-2002;
Oncomedx, Inc. (US)
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Pred. No. 0.066;
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1 (bases 1 to 26)
Larsen, F. and Skaanseng, M.
Detecting telomerase activity
Patent: WO 0046601-A 9 10-AUG-2000;
LARSEN FRANK (NO); SKAANSENG MARIANNE (NO)
LOCATION/Qualifiers
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Best Local Similarity 100.0%; Pred. No. 0.066;
Matches 22; Conservative 0; Mismatches 0;
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/db_xref="taxon:32630"
/note="PCR primer"
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73.3%; Score 22; DB Best Local Similarity 100.0%; Pred. No. 0.0 Matches 22; Conservative 0; Mismatches
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/organism="unidentified"
/db_xref="taxon:32644"
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/db_xref="taxon:9606"
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Sequence 9 from Patent WO0046601.
AX033377
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Location/Qualifiers
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Andrews,W.H., Villeponteau,B., Adams,R.R. and Feng,J.
Methods and reagents for regulating telomere length and telomerase
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Villeponteau, B., Feng, J., Funk, W. and Andrews, W.H. Mammalian telomerase
Patent: US 5958680-A 24 28-SEP-1999;
Location/Qualifiers
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ORP (US)
26 bp
Sequence 24 from patent US 5958680.
AR075527
AR075527.1 GI:10002275
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AR161925 26 bp
Sequence 23 from patent US 6258535.
AR161925 GI:16228953
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AX022187
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    /organism="unknown"

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                                                                                                                       Unknown.
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SOURCE
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TITLE
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JOURNAL
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AUTHORS
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AR161925
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Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps

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Search completed: June 23, 2003, 06:34:20 Job time : 351.346 secs

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DIAGNOSTIC AND
  Sequence 1688, Ap Sequence 1689, Ap Sequence 2550, Ap Sequence 2550, Ap Sequence 2551, Ap Sequence 2553, Ap Sequence 2553, Ap Sequence 13, Appl Sequence 13, Appl Sequence 1005, Ap Sequence 11, Appl Sequence 11, Appl Sequence 22567, Appl Sequence 243, Appl Sequence 24567, A Sequence 23522, A Sequence 23522, A Sequence 23522, A Sequence 24593, A Sequence 10750, A Sequence 23522, A Sequence 24593, A Sequence 10459, A Sequence 10450,
                                                                                                                                                                                                                                                                                                                                           Sequence 5488, Ap
Sequence 5489, Ap
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Harley, Calvin
Andrews, William H.
TITLE OF INVENTION: THERAPEUTIC METHODS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COMPUTER KEADALLE FORMY
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION WUMBER: US/10/044,692
FILING DATE: 11-Jan-2002
CLASSIFCATION: cUnknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/912,951
FILING DATE: 09-MAY-1997
APPLICATION NUMBER: US 08/851,843
FILING DATE: 06-MAY-1997
APPLICATION NUMBER: US 08/851,843
FILING DATE: 5-APR-1997
APPLICATION NUMBER: US 08/846,017
FILING DATE: 5-APR-1997
APPLICATION NUMBER: US 08/844,419
FILING DATE: 18-APR-1997
APPLICATION NUMBER: US 08/844,419
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew
STREET: Two Embarcadero Center, 8th Floor
CITY: San Francisco
                                                                                                                                                                                                                                                                                                                                             US-09-866-108-5488
US-09-866-108-5489
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               STATE: California
COUNTRY: United States of America
ZIP: 94111
COMPUTER READABLE FORM:
                                                                                                                                                                                                                                                                                                                                                                                                      ALIGNMENTS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 312, Application US/10044692
Publication No. US20030096344A1
GENERAL INFORMATION:
APPLICANT: Cech, Thomas R.
Lingmer, Joachim
Nakamura, Toru
Chapman, Karen B.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Morin, Gregg B.
                                             NUMBER OF SEQUENCES: 335
     US-10-044-692-312
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                                                                                             June 23, 2003, 06:41:29 ; Search time 241.076 Seconds (without alignments) 182.610 Million cell updates/sec
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score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.
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1: /cgn2_6/ptodata/1/pubpna/USO7_PUBCOMB.seq:*
2: /cgn2_6/ptodata/1/pubpna/PCT_NBW_PUB.seq:*
3: /cgn2_6/ptodata/1/pubpna/USO6_NBW_PUB.seq:*
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14: /cgn2_6/ptodata/1/pubpna/USO0_PUBCOMB.seq:*
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                 GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.
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US-10-044-539-312

US-10-057-312-23

US-10-098-263B-118949

US-09-952-522B-19

US-09-964-106A-3

US-09-969-373-1959

US-09-952-522B-17

US-09-952-522B-17

US-09-952-522B-17

US-09-952-522B-17

US-09-952-522B-17

US-09-952-52B-17

US-09-952-52B-17

US-09-952-52B-17

US-09-952-52B-17

US-09-952-52B-11

US-09-952-52B-17

US-09-952-52B-17

US-09-151-112-6862

US-10-215-112-6862

US-10-215-112-6862

US-10-215-112-6862

US-10-215-112-6862
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US-09-930-423-1300
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                                                                                                                                                                                                                                                        1042519 segs, 733713590 residues
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                                                                       nucleic search, using sw model
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Gapop_60.0 , Gapext 60.0
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Query
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APPLICATION NUMBER: US/09/057,351 FILING DATE: OB-APR-1994 CLASSIFICATION: 435
NAME: Apple, Randolph T.
REGISTRATION NUMBER: 36,429
REFERENCE/DOCKET NUMBER: 015389-002600US
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Townsend and Townsend and Crew LLP
                                                                                                                                                                                                                                                                                                                                                          Score 22; DB 9; 1
Pred. No. 0.0012;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 23, Application US/09057351
Patent No. US20010034439A1
GENERAL INFORMATION:
APPLICANT: Villeponteau, Bryant
APPLICANT: Feng, Juni
APPLICANT: Funk, Walter
APPLICANT: Andrews, William H.
TITER OF INVENTION: Mammalian Telomerase
NUMBER OF SEQUENCES: 42
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     015389-000821US
                                                                                                                                                                                                                                                                                                                                                                                                   Mismatches
                                                                                                                                                                                                                             ; TOPOLOGY: linear; MOLECULE TYPE: DNA SEQUENCE DESCRIPTION: SEQ ID NO: 312: US-10-044-539-312
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PRICE APPLICATION DATA:
APPLICATION NUMBER: US 08/272,102
FILING DATE: 07-0UL-1994
PRICH APPLICATION DATA:
APPLICATION NUMBER: US 08/330,123
FILING DATE: 27-0CT-1994
PRICH APPLICATION NUMBER: US 08/472,802
FILING DATE: 07-0UN-1995
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentt n. .
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                                                                  TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
                                                                                                             TELEFAX: (415) 576-0300 INFORMATION FOR SEQ ID NO: 312: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                        Query Match 73.3%; So
Best Local Similarity 100.0%; P.
Matches 22; Conservative 0;
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TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                    LENGTH: 26 base pairs
                                                                                                                                                                                                        TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TELEFAX: (415) 576-0300 INFORMATION FOR SEQ ID NO: 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NAME: Storella, John R. REGISTRATION NUMBER: 33
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EDNESS: single
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California
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TITLE OF INVENTION: HUMAN TELOMERASE CATALYTIC SUBUNIT: DIAGNOSTIC AND THERAPEUTIC METHODS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
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COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/044,539
FILING DATE: I1-Jan-2002
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADDRESSEE: Townsend and Townsend and Crew LLP STREET: Two Embarcadero Center, 8th Floor CITY: San Francisco
                                                           NAME: APPLE RENDERLY 1UN:
RAME: APPLE RENDERLY 1UN:
REGISTRATION NUMBER: 36,429
REFERENCE/DOCKET NUMBER: 015389-002600US
TELEPHONE: (415) 576-0200
TELEPHONE: (415) 576-0300
INFORMATION FOR SEQ ID NO: 312:
SEQUENCE CHARACTERISTICS:
LENGTH: 26 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                              DB 9; Lens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         FILING DATE: «Unknown»
APPLICALION NUMBER: US 08/854,050
FILING DATE: 09-MAY-1997
APPLICATION NUMBER: US 08/851,843
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     FILING DATE: 25-APR-1997
APPLICATION NUMBER: US 08/844,419
FILING DATE: 18-APR-1997
                                                                                                                                                                                                                                                                                                                                                                                                                              73.3%; Score 22; DB 100.0%; Pred. No. 0.(
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COMPUTER READABLE FORM:
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APPLICATION NUMBER: US 08/846,017
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    08/724,643
           APPLICATION NUMBER: US 08/724,643
                                                                                                                                                                                                                                                                                                                   TOPOLOGY: linear
MOLECULE TYPE: DNA
SEQUENCE DESCRIPTION: SEQ ID NO: 312:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICATION NUMBER: 08/912,951
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 312, Application US/10044539
Publication No. US20030100093A1
GENERAL INFORMATION:
APPLICANT: Cech, Thomas R.
Lingner, Joachim
Nakamura, Toru
Chapman, Karen B.
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                           FILING DATE: 01-OCT-1996
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APPLICATION NUMBER: US
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                                                    ATTORNEY/AGENT INFORMATION:
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Harley, Calvin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 California
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Best Local Similarity 100.0
Matches 22; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                     US-10-044-692-312
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## Sequence 3, Application US/09844006A

## Sequence 3, Application US/09844006A

## Patent No. US20020083496A1

## CENERAL INFORMATION:

## APPLICANT: Wyatt, Sarah

## APPLICANT: Robertson, Dominique

## APPLICANT: Robertson, Dominique

## APPLICANT: Robertson, Dominique

## APPLICANT: Robertson, Dominique

## APPLICANT: BOSS, Wandy

## TITLE OF INVENTION: TRANSCENIC PLANTS WITH INCREASES IN CALCIUM STORES

## TITLE OF INVENTION: TRANSCENIC PLANTS WITH INCREASES IN CALCIUM STORES

## CURRENT APPLICATION NUMBER: 06/200,233

## PRIOR PLILING DATE: 2001-04-28

## NUMBER OF SEQ ID NOS: ## NUM
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43.3%; Score 13; DB 10; Length 28;
Best Local Similarity 100.0%; Pred. No. 2.3e+02;
Matches 13; Conservative 0; Mismatches 0; Indels
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                                                                      43.3%; Score 13; DB 9; Length 26; 100.0%; Pred. No. 2.3e+02;
                                                                                                                                     0; Indels
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Fatent No. US2002011289A1

GENERAL INFORMATION:

APPLICANT: VOGEletein, Bert

APPLICANT: Kinzler, Kenneth

APPLICANT: Hermeking, Heiko

TITLE OF INVENTION: CDK4 IS A TARGET OF C-MYC

FILE REFERENCE: 01107.00092

CURRENT APPLICATION NUMBER: US/09/780,566

CURRENT APPLICATION NUMBER: 05/181,930

FRIOR APPLICATION NUMBER: 66/181,930

FRIOR FILING DATE: 2000-02-11

NUMBER OF SEQ ID NOS: 14

SEC ID NO 11

SEC ID NO 11
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NAME/KEY: misc_feature
NAME/KEY: misc_feature
(1)..(28)
OTHER INFORMATION: Synthetic Oligonucleotide.
                                                               Query Match 43.3%; Score 13; DB Best Local Similarity 100.0%; Pred. No. 2.3 Matches 13; Conservative 0; Mismatches
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; OTHER INFORMATION: PCR primers
US-09-780-566-11
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ORGANISM: Artificial Sequence
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Best Local Similarity
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US-09-780-566-11/c
      US-09-952-522B-19
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US-09-844-006A-3
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US-10-098-263B-118949/C

US-10-098-263B-118949/C

SEQUENCE 118949, Application US/10098263B

PUBLICACTION NO. US20030104410A1

GENERAL INFORMATION:

APPLICANT: MIttman, Michael

TITLE OF INVENTION: Human Microarray

FILE REFERENCE: 3118.1

CURRENT FAPLICATION NUMBER: US/10/098,263B

CURRENT FILING DATE: 2003-01-08

PRIOR APPLICATION NUMBER: 60/276,759

PRIOR APPLICATION NUMBER: 60/276,759

NUMBER OF SEQ ID NOS: 131066

SOFTWARE: MICCOARRAY Probe Sequence Listing Generator V 1.1

LENGTH: 25
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Sequence 19, Application US/0995252B

Publication No. US20030082152A1

SEGNERAL INFORMATION:

APPLICANT: Katz, Adam J.

APPLICANT: Lull, Ramon

APPLICANT: Hedrick, Marc H.

APPLICANT: Benhaim, Prosper

APPLICANT: Benhaim, Prosper

APPLICANT: ADIPOSE-DERIVED STEM CELLS AND LATTICES

TITLE OF INVENTION: ADIPOSE-DERIVED STEM CELLS AND LATTICES

FILE REFERENCE: 30448.77US11

CURRENT APPLICATION NUMBER: US/09/952,522B

CURRENT FILING DATE: 2001-09-10

PRIOR APPLICATION NUMBER: PCT/US00/06232

PRIOR PILING DATE: 1999-03-10

PRIOR FILING DATE: 1999-03-10

PRIOR FILING DATE: 1999-03-10

PRIOR FILING DATE: 1999-10-29

NUMBER OF SEQ ID NOS: 58

SOFTWARE PATENTING VALUES: 2010-29

NUMBER OF SEQ ID NOS: 58
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                                                                                                                                     Length 26
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. 0.0012;
                                                                                                                              73.3%; Score 22; DB 100.0%; Pred. No. 0.0; ive 0; Mismatches
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ORGANISM: Artificial Sequence
                                                                                                                           Query Match
Best Local Similarity 100.0
Matches 22; Conservative
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Best Local Similarity 100.
Matches 13; Conservative
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ORGANISM: Homo sapien
; TOPOLOGY: linear; MOLECULE TYPE: DNA US-09-057-351-23
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US-09-952-522B-19
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LENGTH: 26
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Sequence 76. Application US/09754853A
| Sequence 76. Application Wo. US2003005491A1
| Sequence 76. Application No. US2003005491A1
| GENERAL INFORMATION:
| APPLICANT: Hauge, Brian M. APPLICANT: Parnell, Laurence D. APPLICANT: Parnell, Laurence D. APPLICANT: Wang, Ming Li | APPLICANT: Parnell, Laurence D. APPLICANT: Parnell, Laurence D. APPLICANT: Wang, Ming Li | APPLICANT: Wang, Ming Li | APPLICANT: Wang, Ming Li | TITLE OF INVENTION: Notleic Acid Molecules And Other Molecules Associated With | TITLE OF INVENTION: Notleic Acid Molecules And Other Molecules Associated With | TITLE OF INVENTION: NOTWBER: US/9/754,853A | CURRENT APPLICATION NUMBER: US 60/174,880 | PRIOR FILING DATE: 2000-01-05 | PRIOR FILING DATE: 2000-01-07 | NUMBER OF SEQ ID NOS: 1119 | SEQ ID NOS: 1119 | APPLICANT OF SEQ 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: PPAR gamma
; OTHER INFORMATION: forward primer
US-09-952-522B-31
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | APPLICANT: Katz, Adam J.
| APPLICANT: Katz, Adam J.
| APPLICANT: Fulul, Ramon |
| APPLICANT: Fulul, Ramon |
| APPLICANT: Fulul, Ramon |
| APPLICANT: Fulul |
| APPLICANT: Fulul |
| APPLICANT: Benhaim, Prosper |
| APPLICANT: Lau, Min |
| APPLICAN
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                                                  9.2e+02;
     40.0%; Score 12; DB 9;
                                                                                                     0; Mismatches
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                                                  100.0%;
Query Match 40.0
Best Local Similarity 100.
Matches 12; Conservative
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Best Local Similarity
Matches 12; Conserv
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US-09-754-853A-676
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US-09-952-522B-17
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APPLICANT: Liull, Ramon
APPLICANT: Liull, Ramon
APPLICANT: Futrell, J. William
APPLICANT: Futrell, J. William
APPLICANT: Hedrick, Marc H.
APPLICANT: Benhaim, Prosper
APPLICANT: Benhaim, Prosper
APPLICANT: Lorenz, Hermann Peter
APPLICANT: Lorenz, Hermann Peter
APPLICANT: Lorenz, Hermann Peter
APPLICANT: Lorenz, Hermann Peter
APPLICANT: Slu, Min
TITLE OF INVENTION: ADIPOSE-DERIVED STEM CELLS AND LATTICES
FILE REFERENCE: 30448.770511
CURRENT FILING DATE: 2001-09-10
PRIOR FILING DATE: 2001-09-10
PRIOR FILING DATE: 1999-03-10
PRIOR FILING DATE: 1999-03-10
PRIOR FILING DATE: 1999-10-29
NUMBER OF SEQ ID NOS: 58
SOFTWARE: PATENTIN VOR: 51
                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 1959, Application US/09969373

Sequence 1959, Application US/09969373

Patent No. US20020133852A1

SCREERAL INFORMATION:
APPLICANT: Effertz, Roger J.
APPLICANT: Hauge, Brian M.
TITLE OF INVENTION: Soybean SSRs and Methods of Genotyping FILE REFERENCE: 38-10(52679)A

CURRENT APPLICATION NUMBER: US/09/969,373

CURRENT APPLICATION NUMBER: US 09/754,853

PRIOR APPLICATION NUMBER: US 09/754,853

PRIOR PILING DATE: 2001-01-05

PRIOR FILING DATE: 2001-01-05

PRIOR FILING DATE: 2001-01-13

PRIOR PILING DATE: 2001-01-13

PRIOR PILING DATE: 2001-05-15

NUMBER: OF SEQ ID NOS: 4593

SEQ ID NO 1959
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                    Mismatches
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                                                                                                                15 GGTGGAAGGCGGC 27
                    13; Conservative
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                    Matches
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Query Match
Best Local Similarity 100.
Matches 12, Conservative
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US-10-215-112-13825/c
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; OTHER INFORMATION: Clone ID: 318013_region_A3_18757_13_Reverse_Primer_Seq
US-09-754-853A-676
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US-10-215-112-6862/c
; Sequence 6862, Application US/10215112
; Bublication No. US20030082596A1
; GENERAL INFORMATION:
; APPLICANT: Michael Mittmann
; TITLE OF INVENTION: Method of Genetic Analysis of Probes:
TITLE OF INVENTION: Test3
; FILE REPERENCE: 3119
; CURRENT APPLICATION NUMBER: US/10/215,112
; CURRENT FILING DATE: 2002-08-08
; NUMBER OF SEQ ID NOS: 14936
; SOFURARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 6862
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match 40.0%; Score 12; DB 9; Length 24; Best Local Similarity 100.0%; Pred. No. 9.1e+02; Matches 12; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                           Sequence 3143, Application US/09940185
Publication No. US20030096239A1
GENERAL INFORMATION:
APPLICANT: Gunderson, Kevin
APPLICANT: Chee, Mark
TITLE OF INVENTION: Probes and Decoder Oligonucleotides
FILE REPERENCE: A-65605-1
CURRENT APPLICATION NUMBER: US/09/940,185
CURRENT FILING DATE: 2001-08-27
PRIOR PRICATION NUMBER: US 60/227,948
PRIOR PRILING DATE: 2000-08-25
PRIOR FILING DATE: 2000-08-29
NUMBER OF SEQ ID NOS: 4768
SEQ ID NO 3143
LENGTH: 24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
40.0%; Score 12; DB 9; Length 25;
Best Local Similarity 100.0%; Pred. No. 9.1e+02;
Matches 12; Conservative 0; Mismatches 0; Indels
                                                                 DB 9; Length 24;
9.1e+02;
hes 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ; OTHER INFORMATION: Computer Generated Probe Sequence. US-09-940-185-3143
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ; PEATURE:
; OTHER INFORMATION: Synthetic Oligonucleotide
US-10-215-112-6862
                                                                 Query Match
Best Local Similarity 100.0%; Pred. No. 9.1
Matches 12; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ORGANISM: Artificial Sequence
                                                                                                                                                          9 ATGAACGGTGGA 20
                                                                                                                                                                                                 13 ATGAACGGTGGA 24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   13 ACGGTGGAAGGC 24
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US-10-215-112-8975
; Sequence 8975, Application US/10215112
; Publication No. US20030082596A1
; Publication No. US20030082596A1
; GENERAL INFORMATION:
    APPLICANT: Michael Mittmann
; TITLE OF INVENTION: Method of Genetic Analysis of Probes:
    TITLE OF INVENTION: Test3
; FILE REFERENCE: 3119
; CURRENT APPLICATION NUMBER: US/10/215,112
; CURRENT FILING DATE: 2002-08-08
; NUMBER OF SEQ ID NOS: 14936
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 8975
; LENGTH: 25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 13825, Application US/10215112
; bublication No. US20030082596A1
; GENERAL INFORMATION:
   APPLICANT: Michael Mittmann
; TITLE OF INVENTION: Test3
; FILE REPRENEUS: 3119
; CURRENT APPLICATION: NUMBER: US/10/215,112
; CURRENT FILING DATE: 2002-08-08
; NUMBER OF SEQ ID NOS: 14936
; SOFTWARE: FRASE FOR MINDOWS VERSION 4.0
; SEQ ID NO 13825
; LENGTH: 25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match 40.0%; Score 12; DB 9; Length 25; Best Local Similarity 100.0%; Pred. No. 9.1e+02; Matches 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            40.0%; Score 12; DB 9; Length 25; 100.0%; Pred. No. 9.1e+02; tive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ; OTHER INFORMATION: Synthetic Oligonucleotide US-10-215-112-8975
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ) OTHER INFORMATION: Synthetic Oligonucleotide US-10-215-112-13825
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Search completed: June 23, 2003, 20:01:32 Job time: 242.076 secs
                                                                                                                                                                                                                                                                                                                                                                                        TYPE: DNA ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ORGANISM: Artificial Sequence
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Run on:

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21
                                             June 23, 2003, 05:20:00 ; Search time 2516.18 Seconds (without alignments) 299.770 Million cell updates/sec
                                                                                                                                                                                                              12114646
5.1.6
Compugen Ltd.
                                                                                            1 GCTCTAGAATGAACGGTGGAAGGCGGCAGG 30
                                                                                                                                   24791104 seqs, 12571243825 residues
                                                                                                                                                                  Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         /cgn2_6/ptodata/2/pna/US101B_
/cgn2_6/ptodata/2/pna/US102A_
/cgn2_6/ptodata/2/pna/US102B_
GenCore version
Copyright (c) 1993 - 2003
                                                                                                                                                                                                          Post-processing: Listing first 45 summaries
                              nucleic search, using sw model
                                                                                                            OLIGO_NUC
Gapop_60.0 , Gapext 60.0
                                                                          US-08-770-564A-8
30
                                                                                                                                                                                 Minimum DB seq length: 0
Maximum DB seq length: 50
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                80044444
                                                                                                                                                   0
                                                                            Title:
Perfect score:
                                                                                                            Scoring table:
                              .
                                                                                                                                                   Word size :
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                                                                                              Sequence:
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cgn2_6/ptodata/2/pna/US6003_COMB.seq:
cgn2_6/ptodata/2/pna/US6003_COMB.seq:
cgn2_6/ptodata/2/pna/US6006_COMB.seq:
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cgn2_6/ptodata/2/pna/US6006_COMB.seq:
cgn2_6/ptodata/2/pna/US6008_COMB.seq:
cgn2_6/ptodata/2/pna/US6010_COMB.seq:
cgn2_6/ptodata/2/pna/US6011_COMB.seq:
cgn2_6/ptodata/2/pna/US6011_COMB.seq:
cgn2_6/ptodata/2/pna/US6011_COMB.seq:
cgn2_6/ptodata/2/pna/US6011_COMB.seq:
cgn2_6/ptodata/2/pna/US6011_COMB.seq:
cgn2_6/ptodata/2/pna/US6011_COMB.seq:
cgn2_6/ptodata/2/pna/US6011_COMB.seq:
cgn2_6/ptodata/2/pna/US6012_COMB.seq:
cgn2_6/ptodata/2/pna/US6012_COMB.seq:
cgn2_6/ptodata/2/pna/US6012_COMB.seq:
cgn2_6/ptodata/2/pna/US6012_COMB.seq:
cgn2_6/ptodata/2/pna/US6021_COMB.seq:
cgn2_6/ptodata/2/pna/US6021_COMB.seq:
cgn2_6/ptodata/2/pna/US6022_COMB.seq:
cgn2_6/ptodata/2/pna/US6032_COMB.seq:
cgn2_6/ptodata/2/pna/US6032_COMB
```

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

					SUMMARIES		
Result		* Query					
S S	Score	Match	Match Length DB	8	ID	Description	
-	30	100.0	30	н	PCT-US97-23619-8	Sequence 8, Appli	
7	30	100.0	30	σ	US-08-510-736-5	Sequence 5, Appli	
m	30	100.0	30	11	US-08-770-564A-8	Sequence 8, Appli	
4	30	100.0	30	21	US-09-540-119B-10	Sequence 10, Appl	
ស	30	100.0	30	28	US-09-717-828A-5	Sequence 5, Appli	
9	30	100.0	30	28	US-09-717-828B-5	Sequence 5, Appli	
7	30	100.0	30	28	US-09-717-829A-5	S,	
80	30	100.0	30	34	US-09-903-461-2	Sequence 2, Appli	
6	23	76.7	27		PCT-US97-23619-26	Sequence 26, Appl	
10	22	73.3	25	16	US-09-250-336A-4		
11	22	73.3	25	25	US-09-642-177-4	Sequence 4, Appli	
12	22	73.3	26	н	PCT-US96-14679-27	Sequence 27, Appl	
13	22	73.3	26	-	PCT-US96-14679A-27	27,	
14	22	73.3	26	٦	PCT-US99-03302-4	Sequence 4, Appli	
15	22	73.3	26	٦	PCT-US99-07533-4	4	
16	22	73.3	26	-	PCT-US99-07533-4	4	
17	22	73.3	26	9	US-08-272-102-23	Sequence 23, Appl	
18	22	73.3	26	7	US-08-387-524-19	Sequence 19, Appl	
19	22	73.3	26	80	US-08-472-802A-24	Sequence 24, Appl	
20	22	73.3	26	ω	US-08-472-802B-24	Sequence 24, Appl	
. 21	22	73.3	26	œ	US-08-482-115A-23	Sequence 23, Appl	

Gaps

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Query Match 100.0%; Score 30; DB 1; Length 30; Best Local Similarity 100.0%; Pred. No. 1.9e-06; Matches 30; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 5, Application US/08510736

Sequence 5, Application US/08510736

GENERAL INFORMATION:
APPLICANT: Weinrich, Scott L.
APPLICANT: Atkinson III, Edward M.
APPLICANT: Uichtsteiner, Serge
APPLICANT: Vasserot, Alain P.
APPLICANT: SEQUENCES:
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew
STREET: One Market Plaza, Steuart Tower, Suite 2000
STATE: California
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/510,736
FILING DATE: 04-AUG-1995
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Smith, William M.
REGISTRATION NUMBER: 30,223
REFERENCE/POCKET NUMBER: 015389-001100
TELECOMMUTCATION INFORMATION:
TELECOMMUTCATION: 415-326-2400
                                                                                                                                                                                                                                                                                                1 GCTCTAGAATGAACGGTGGAAGGCGGCAGG 30
                                                                                                                                                                                                                                                                                                                           1 GCTCTAGAATGAACGGTGGAAGGCGGCAGG 30
                                                                                                           ; NAME/KEY: -
LOCATION: 1..30
; OTHER INFORMATION: /note= "oligo 21"
PCT-US97-23619-8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ZIP: 94105
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TELEFAX: 415-326-2422
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 30 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Conservative
LENGTH: 30 base pairs
                    TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TOPOLOGY: linear; MOLECULE TYPE: DNA US-08-510-736-5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity
Matches 30; Conserv
                                                             linear
                                                           TOPOLOGY: line
MOLECULE TYPE: l
FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                 RESULT 2
US-08-510-736-5
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                                                                                                                                                                                                                                                             Sequence 598, App
Sequence 598, App
Sequence 598, App
Sequence 598, App
Sequence 298, App
Sequence 26, Appl
Sequence 26, Appl
Sequence 312, App
Sequence 312, App
                                                                                                                                                                                                     Sequence 4, Appli
Sequence 45, Appl
Sequence 598, App
                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 9, Appli
                                                                                                                         Sequence 17
Sequence 59
Sequence 23
Sequence 2,
                                             Sequence 23
                                                             Sequence 23
                                                                                    Sequence 23
Sequence 31
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Methods for Detecting and Inhibiting the RNA Component of Telomerase
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COMPUTER: U.S. 4

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US97/23619
FILING DATE: Not yet assigned
CLASSIPICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/770,564
FILING DATE: 20-DEC-1996
FILING DATE: 20-DEC-1996
FILING DATE: 20-DEC-1996
FILING DATE: 20-DEC-1996
ATTORNEY/AGENT INFORMATION:
NAME: Storella, John R.
REGISTRATION NUMBER: 15389-27PC
TELECOMMUNICATION INFORMATION:
                                         US-08-660-678-23

US-08-911-312-23

US-08-912-951-312

US-08-912-951-312

US-08-974-549-598

US-09-974-549-598

US-09-250-344-54

US-09-259-944-45

US-09-402-181A-598

US-09-402-181A-598

US-09-402-181A-598

US-09-402-181A-598

US-09-402-181A-598

US-09-402-181A-598

US-09-402-181B-598

US-09-402-181B-598

US-09-402-181B-598

US-09-402-503-598

US-09-402-503-598

US-09-721-506-598

US-09-890-567-9

US-09-890-567-9

US-10-044-59-312
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT:
TITLE OF INVENTION: Methods for Detecting and InTITLE OF INVENTION: RNA Component of Telomerase NUMBER OF SEQUENCES: 29
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP STREET: Two Embarcadero Center, Eighth Floor CITY: San Francisco
STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                               US-08-770-564A-9
                                                                                                                                                                                                                                                                                                                                                                                                                                          PCT-US97-23619-9
      US-08-520-550-19
US-08-521-634-41
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ALIGNMENTS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 8, Application PC/TUS9723619
GENERAL INFORMATION:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TELEFAX: (415) 576-0300 INFORMATION FOR SEQ ID NO: 8 SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PCT-US97-23619-8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        COUNTRY:
        RESULT 1
```

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Gaps
                                    ;;
0
     Length 30;
                                  Indels
100.0%; Score 30; DB 9; 100.0%; Pred. No. 1.9e-06; trive 0; Mismatches 0;
                                                                    GCTCTAGAATGAACGGTGGAAGGCGGCAGG 30
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OTHER INFORMATION: Biotin 5'-terminal.
OTHER INFORMATION: Description of Artificial Sequence: Affinity Agent
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 30;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US-US-11/-8288-5

S Squence 5. Application US/09717828B

GENERAL INFORMATION:
APPLICANT: Weinrich, Scott L
APPLICANT: Atkinson III, Edward M
APPLICANT: Lichtsteiner, Serge P
APPLICANT: Lichtsteiner, Serge P
APPLICANT: Useserct, Allain P
APPLICANT: Pruzan, Ronald A
TILLB OF INVENTION: A Wethod for Purifying Telomerase
CURRENT FILING DATE: 1900-11-20
FILE REFERENCE: PurifiedTelomerase011base
CURRENT FILING DATE: 1999-10-18
FRIOR PILING DATE: 1999-10-18
PRIOR PLING DATE: 1999-10-18
PRIOR PELICATION NUMBER: 08/420,056
PRIOR APPLICATION NUMBER: 08/833,377
PRIOR PELING DATE: 1999-0-04
NUMBER OF SEQ ID NOS: 11
SOFTWARE: PatentIN Ver. 2.1 edited
SEQ ID NO 5
LENGTH: 30
LENGTH: 30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
100.0%; Score 30; DB 28;
Best Local Similarity 100.0%; Pred. No. 1.9e-06;
Matches 30; Conservative 0; Mismatches 0;
                                                                                                                                                                            GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Weinrich, Scott L
APPLICANT: Atkinson III, Edward M
APPLICANT: Lichtsteiner, Serge P
APPLICANT: Lichtsteiner, Serge P
APPLICANT: Vasserot, Allain P
APPLICANT: Pruzan, Ronald A
TITLE OF INVENTION: Purified Telomerase
FILE REFERENCE: PurifiedTelomeraseO11base
CURRENT APPLICATION NUMBER: US/09/11/,828A
CURRENT FILING DATE: 2000-11-20
PRIOR APPLICATION NUMBER: 09/420,056
PRIOR FILING DATE: 1999-10-18
PRIOR FILING DATE: 1997-04-04
PRIOR FILING DATE: 1995-08-04
NUMBER OF SEQ ID NOS: 11
SOFTWARE: PatentIn Ver. 2.1 (edited)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 GCTCTAGAATGAACGCTGGAAGGCGGCAGG 30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: DNA
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: DNA ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NAME/KEY: misc_feature
                                                                                                                                                                US-09-717-828A-5
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               셤
                                                                      APPLICANT: Kealey, James T.
APPLICANT: Frizan, Ron
APPLICANT: Prizan, Ron
APPLICANT: Weinrich, Scott L.
TITLE OF INVENTION: Inhibitory Polynucleotides Directed
TITLE OF INVENTION: Against the RNA Component of Telomerase
NUMBER OF SEQUENCES: 15
CORRESPONDENCE ADDRESS:
ADDRESSEE: TOWNSEND and TOWNSEND and CREW LLP
STREET: Two Embarcadero Center, 8th Floor
CITY: San Francisco
STRATE: CA
STATE: CA
COUNTRY: USA
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APPLICANT: Gryznov, Sergei
APPLICANT: Pruzan, Ronald
APPLICANT: Weinrich, Scott
TITLE OF INVENTION: Telomerase Inhibitor Polynucleotides
FILE REFERENCE: 029/001
CURRENT APPLICATION NUMBER: U3/09/540,119B
CURRENT FILING DATE: 2000-03-31
NUMBER OF SEQ ID NOS: 25
SEPTHARE: Patentin version 3.1
SEQ ID NO 10
LENGTH: 30
                                                                                                                                                                                                                                                                                                                                                                                                                               COMPUTER TRADABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC Compatible
CORPETER: Floppy disk
COMPUTER: BM PC Compatible
COPERATION SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PATENTIN Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/770,564A
FILING DATE: 20-DEC-1996
CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
NAME: SECORIA, JOHN R.
REGISTRATION NUMBER: 32,944
REBERENCE/POCKET UNMBER: 32,944
RECORMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION: 1815-576-0200
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100.0%; Score 30, DB 11;
Best Local Similarity 100.0%; Pred. No. 1.9e-06;
Matches 30; Conservative 0; Mismatches 0;
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US-09-540-119B-10
; Sequence 10, Application US/09540119B
; GENERAL INFORMATION:
                    Sequence 8, Application US/08770564A GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TELEFAX: 415-576-0300
INFORMATION FOR SEQ ID NO: 8: SEQUENCE CHARACTERISTICS:
LENGTH: 30 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         nucleic acid
EDNESS: single
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              STRANDEDNESS:
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; FEATURE:
; OTHER INFORMATION: synthetic oligomer
US-09-903-461-2
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Best Local Similarity 100.
Matches 23; Conservative
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APPLICANT:
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APPLICANT: Letsinger, Niswanadham
APPLICANT: Garimella, Viswanadham
TILLE OF INVENTION: Method of Detection by Enhancement of Silver Staining
FILE REFERENCE: 00-1086-A
CURRENT FILING DATE: 2001-07-11
PRIOR APPLICATION NUMBER: 60/217,782
PRIOR PILING DATE: 2000-07-11
                                                                                                                                                                            Gaps
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                            OTHER INFORMATION: Biotin 5'-terminal
OTHER INFORMATION: Description of Artificial Sequence: Affinity Agent
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match 100.0%; Score 30; DB 28; Length 30; Best Local Similarity 100.0%; Pred. No. 1.9e-06; Matches 30; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                            Indels
                                                                                                                           Length
                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: Weinrich, Scott L
APPLICANT: Weinrich, Scott L
APPLICANT: Atkinson III, Edward M
APPLICANT: Lichtsteiner, Serge P
APPLICANT: Verzen, Allain P
APPLICANT: Pruzan, Ronald A
TITLE OF INVENTION: A Method for Purifying Telomerase
FILE REFRENCE: PurifiedTelomerase011base
CURRENT APPLICATION NUMBER: US/09/717,829A
CURRENT FILING DATE: 2000-11-20
                                                                                                                      Query Match
Best Local Similarity 100.0%; Pred. No. 1.9e-06;
Matches 30; Conservative 0; Mismatches 0;
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PRIOR APPLICATION NUMBER: 09/420,056
PRIOR FILING DATE: 1999-10-18
PRIOR PILING DATE: 1999-10-18
PRIOR PILING DATE: 1997-04-04
PRIOR PILING DATE: 1997-04-04
PRIOR APPLICATION NUMBER: 08/510,736
PRIOR FILING DATE: 1995-08-04
NUMBER OF SEQ ID NOS: 11
SOFTWARE: PatentIn Ver. 2.1 edited
                                                                                                                                                                                                                                                                                                                                                                                         Sequence 5, Application US/09717829A GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 2, Application US/09903461 GENERAL INFORMATION:
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SOFTWARE: Microsoft Word 98
SEQ ID NO 2
LENGTH: 30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NAME/KEY: misc_feature
                                                                             US-09-717-828B-5
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Gaps
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SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US97/23619
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ; LOCATION: 1..27
; OTHER INFORMATION: /note= "hTR reverse primer"
PCT-US97-23619-26
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       STREET: Two Embarcadero Center, Bighth Floor CITY: San Francisco
Query Match
100.0%; Score 30; DB 34;
Best Local Similarity 100.0%; Pred. No. 1.9e-06;
Matches 30; Conservative 0; Mismatches 0;
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100.0%; Pred. No. 0.017;
iive 0; Mismatches
                                                                                                1 GCTCTAGAATGAACGGTGGAAGGCGGCAGG 30
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APPLICATION NUMBER: US 08/770,564
FILING DATE: 20-DEC-1996
FRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/770,565
FILING DATE: 20-DEC-1996
ATTORNEY/AGENT INFORMATION:
NAME: Storella, John REGISTRATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 15389-27PC
                                                                                                                                                                                                                                                                  Sequence 26, Application PC/TUS9723619 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                FILING DATE: Not yet assigned
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TELEFAX: (415) 576-0300 INFORMATION FOR SEQ ID NO: 5 SEQUENCE CHARACTERISTICS: LENGTH: 27 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend
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4 GCTCTAGAATGAACGGTGGAAG 25
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity 100.0
Matches 22; Conservative
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APPLICANT: STROWEL, Judith
APPLICANT: STROWEL, Judith
APPLICANT: STAMBERG, Judith
APPLICANT: ABRUZZO, Lynne V.
APPLICANT: HIGHSMITH, Edward
TITLE OF INVENTION: TELOMERASE ASSAY OF BODY FLUIDS FOR CANCER SCREENING
TITLE OF INVENTION: AND ASSESSMENT OF DISBASE STAGE AND PROGNOSIS
TITLE OF INVENTION: 10460-4 (210460.004)
CURRENT APPLICATION NUMBER: US/09/250,336A
CURRENT APPLICATION NUMBER: US 60/074,793
PRIOR PILING DATE: 1998-02-16
PRIOR PILING DATE: 1998-02-16
NUMBER OF SEQ ID NOS: 4
SOFTWARE: Patentin Ver. 2.1
LENGTH: 25
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US-09-250-336A-4
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1 OTHER INFORMATION: Description of Unknown Organism:R3c, Primer US-09-642-177-4
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APPLICANT: STAMBERG, Judith
APPLICANT: STAMBERG, Judith
APPLICANT: ARRUZZO, Lynne V.
APPLICANT: HIGHSHITH, Edward
TITLE OF INVENTION: TELOMERASE ASSAY OF BODY FLUIDS
FILE REFERENCE: 10460-4011 (210460.0019)
CURRENT APPLICATION NUMBER: US/09/642,177
CURRENT PILING DATE: 1090-02-16
PRIOR FILING DATE: 1999-02-16
PRIOR FILING DATE: 1999-02-16
PRIOR FILING DATE: 1999-02-16
PRIOR FILING DATE: 1999-02-16
NUMBER: PELORIOR DATE: 1999-02-16
NUMBER: PELORIOR DATE: 1999-02-16
SOFTWARE: PATENTING DATE: 1999-02-16
SOFTWARE: PATENTING DATE: 1999-02-16
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100.0%; Pred. No. 0.061;
tive 0; Mismatches 0
5 GCTCTAGAATGAACGGTGGAAGG 27
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                                                                                                                                    Sequence 4, Application US/09250336A GENERAL INFORMATION:
APPLICANT: STROVEL, Jeffrey W.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 4, Application US/09642177 GENERAL INFORMATION:
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ORGANISM: Artificial Sequence
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Best Local Similarity 100.0
Matches 22; Conservative
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Best Local Similarity 100.
Matches 22; Conservative
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US-09-250-336A-4
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LENGTH: 25
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GENERAL INFORMATION:
APPLICANT: VILLEPONTEAU, BRYANT
APPLICANT: ANDREWS, WILLIAM H.
APPLICANT: ANDREWS, WILLIAM H.
TITLE OF INVENTION: METHODS AND REAGENTS FOR REGULATING
TITLE OF INVENTION: TELOMERE LENGTH AND TELOMERASE ACTIVITY
NUMBER OF SEQUENCES: 27
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 26;
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                                          APPLICANT: VILLEPONTEAU, BRYANT
APPLICANT: FENG, JUNLI
APPLICANT: FENG, JUNLI
APPLICANT: ANDREWS, WILLIAM H.
APPLICANT: ADAWS, KOBERT R.
TITLE OF INVENTION: METHODS AND REAGENTS FOR REGULA
TITLE OF INVENTION: TELOMERE LENGTH AND TELOMERASE
NUMBER OF SEQUENCES: 27
ADDRESSEE: GERON CORPORATION
                                                                                                                                                                                                                                                                                                                                                                                                                                                   SOFTWARE: Patentin Release #1.0, Version #1.30 CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US96/14679
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 DB 1;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ATTORNEY/AGENT INFORMATION:
NAME: KASTER ESQ., KEVIN R.
REGISTRATION NUMBER: 32,704
REFERENCE/DOCKET NUMBER: 012/045PCT
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           HUMBER: PCT/US96/14679
13-SEP-1996
// Sequence 27, Application PC/TUS9614679
// GENERAL INFORMATION:
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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
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STREET: 200 CONSTITUTION DRIVE
CITY: MENLO PARK
                                                                                                                                                                                                                                                      STREET: 200 CONSTITUTION DRIVE CITY: MENLO PARK
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100.0%; Pre
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APPLICANT: THE JOHNS HOPKINS UNIVERSITY SCHOOL OF MEDICINE TITLE OF INVENTION: TELOMERASE-ASSOCIATED PROTEINS FILE REFERENCE: 07265/157W01
CURRENT APPLICATION NUMBER: PCT/US99/07533
CURRENT FILING DATE: 1999-04-06
BARLIER APPLICATION NUMBER: 60/080, 783
EARLIER FILING DATE: 1998-04-06
NUMBER OF SEQ ID NOS: 15
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match 73.3%; Score 22; DB 1; Length 26; Best Local Similarity 100.0%; Pred. No. 0.061; Matches 22; Conservative 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 GCTCTAGAATGAACGGTGGAAG 22
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                                                                                                                                                                                                                                                                                                             TYPE: DNA
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                             ; OTHER INFORMATION: primer PCT-US99-07533-4
                                                                                                                                                                                                                                                                                                                                                                    FEATURE:
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APPLICANT: Strovel, Judith
APPLICANT: Stamberg, Judith
APPLICANT: Stamberg, Judith
APPLICANT: Abruzzo, Lynne V
APPLICANT: Highsmith, Edward
TTPLE OF INVENTION: Telomerase Assay of Body Fluids for Cancer Screening
TITLE OF INVENTION: and Assessment of Disease Stage and Prognosis
TITLE REPERENCE: 1489JS 60/074,793
FALLIER REPLICATION NUMBER: FOT/US99/03302
CURRENT APPLICATION NUMBER: FOT/US99
CURRENT FILING DATE: 1999-02-16
NUMBER OF SEQ ID NOS: 4
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 4
ILENGTH: 26
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match 73.3%; Score 22; DB 1; Length 26; Best Local Similarity 100.0%; Pred. No. 0.061; Matches 22; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          DB 1; Length 26; 0.061;
                                                                                                                      SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION UNBER: PCT/US96/14679A
FILING DATE: 13-SEP-1996
CLASSIFICATION:
ATTORNEY/AGENT IMPORMATION:
NAME: RESTRICATION NUMBER: 32,704
REFERENCE/DOCKET NUMBER: 32,704
REFERENCE/DOCKET NUMBER: 012/045PCT
TELECHOMONICATION INFORMATION:
TELECHOMONICATION INFORMATION:
TELECHOMONICATION 1873-7750
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                                               MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             MOLECULE TYPE: DNA (genomic)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: DNA ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                      INFORMATION FOR SEQ ID NO: 2'SEQUENCE CHARACTERISTICS:
LENGTH: 26 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                      COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         linear
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RESULT 15 PCT-US99-07533-4 ; Sequence 4, Application PC/TUS9907533

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Length 26;

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June 23, 2003, 05:45:21 ; Search time 1316.89 Seconds (without alignments) 158.668 Million cell updates/sec
GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.
                                                                                                                                                                                                                            1 GCTCTAGAATGAACGGTGGAAGGCGGCAGG 30
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                                                                                                                                                                                                                                                                                                                           7820798 seqs, 3482471992 residues
                                                                      OM nucleic - nucleic search, using sw model
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Gapop_60.0 , Gapext 60.0
                                                                                                                                                                              US-08-770-564A-8
30
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                                                                                                                                                                                    Title:
Perfect score:
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                                                                                                                                                                                                                              Sequence:
                                                                                                                                                                                                                                                                                                                           Searched:
                                                                                                            Run on:
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed and is derived by analysis of the total score distribution.

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/cgn2 6/ptodata/1/pna/US10 NEW COMB.seq3:*
/cgn2 6/ptodata/1/pna/US60 NEW COMB.seq3:*
/cgn2 6/ptodata/1/pna/US60 NEW COMB.seq3:*
/cgn2 6/ptodata/1/pna/US60 NEW COMB.seq3:*

6/ptodata/1/pna/US07 NEW COMB.seq: 6/ptodata/1/pna/US08 NEW COMB.seq: 6/ptodata/1/pna/US09 NEW COMB.seq:* 6/ptodata/1/pna/US09 NEW COMB.seq:* 6/ptodata/1/pna/US09 NEW COMB.seq2:* 6/ptodata/1/pna/US09 NEW COMB.seq2:* 6/ptodata/1/pna/US10 NEW COMB.seq2:*

Post-processing: Listing first 45 summaries

Database :

Description	6 6 75 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	ddw 'occ appara
SUMMARIES	US-10-330-872-5 US-10-330-872A-5 PCT-US03-04088-520 US-09-721-456-598 US-10-325-810-598 US-10-325-810-598 PCT-US03-04088-521 PCT-US03-04088-522 PCT-US03-04088-527 PCT-US03-04088-538 PCT-US03-04088-538 PCT-US03-04088-538 PCT-US03-04088-538 PCT-US03-04088-538 PCT-US03-04088-538 PCT-US03-04088-538 PCT-US03-04088-538 PCT-US03-04088-538 PCT-US03-04088-542 PCT-US03-04088-542 PCT-US03-04088-543	201-00040-000-104
0.8	22440004444444444	1
* Ouery Match Length DB	222222222222222222222222222222222222222	1
Query Match	1000 1000 1000 1000 1000 1000 1000 100)
Score	300000000000000000000000000000000000000	1
Result No.)

Sequence 551, App	Sequence 554, App			Sequence 559, App	36216	Sequence 39, Appl	Sequence 952738,	Sequence 13722, A	Sequence 222991,	Sequence 543, App	Sequence 543, App	Sequence 3845, Ap	Sequence 3846, Ap	Sequence 3854, Ap	Sequence 118949,	Sequence 90268, A	Sequence 173196,	Sequence 231533,	Sequence 579523,	Sequence 738286,	Sequence 843246,	Sequence 69383, A	Sequence 267834,	Sequence 60169, A
PCT-US03-04088-551	PCT-US03-04088-554	PCT-US03-04088-555	PCT-US03-04088-558	PCT-US03-04088-559	US-10-310-188-36216	US-10-442-506-39	L2 US-60-427-808-952738	3 US-60-469-545-13722	3 US-60-469-545-222991	US-09-721-456-543	US-10-325-810-543	US-09-660-222-3845	US-09-660-222-3846	US-09-660-222-3854	US-10-098-263B-118949	US-10-355-577-90268	US-10-355-577-173196	US-10-355-577-231533	US-10-355-577-579523	2 US-60-427-808-738286	2 US-60-427-808-843246	L2 US-60-427-836-69383	2 US-60-427-836-267834	US-10-310-188-60169
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19 63.3 2	19 63.3 2			63.3	14 46.7 2	14 46.7 2						-,	13 43.3 2	13 43.3 2	13 43.3 2	13 43.3 2	13 43.3 2	13 43.3 2	13 43.3 2	13 43.3 2	13 43.3 2	13 43.3 2	13 43.3 2	12 40.0 1
21	. 0 22	c 23	24	25	c 26	27	28	29	c 30	31	32	c 33	c 34	G 35	c 36	c 37	G 38	c 39	40	c 41	42	43	44	45

ALIGNMENTS

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Sequence 5, Application US/10330872
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Geron Corporation
APPLICANT: Weinrich, Scott
APPLICANT: Lichteteiner, Serge
APPLICANT: Lichteteiner, Serge
APPLICANT: Useserot, Alain
APPLICANT: Pruzan, Ronald
TITLE OF INVENTION: Using Purified Telomerase to Identify Telomerase Activators and TITLE OF INVENTION: Inhibitors
FILE REFERENCE: 011/006C
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
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100.0%; Pred. No. 2.1e-07;
tive 0; Mismatches 0;
                                                                                                                                                                                                                                                                                   CURRENT APPLICATION NUMBER: US/10/330,872
CURRENT FILING DATE: 2002-12-24
PRIOR APPLICATION NUMBER: 08/510,736
PRIOR FILING DATE: 1995-08-04
PRIOR APPLICATION NUMBER: 08/833,377
PRIOR APPLICATION NUMBER: 09/420,056
PRIOR FILING DATE: 1997-04-04
PRIOR FILING DATE: 1999-10-18
PRIOR APPLICATION NUMBER: 09/717,828
PRIOR FILING DATE: 2000-11-20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NUMBER OF SEQ ID NOS: 11
SOFTWARE: Patentin version 3.1
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Best Local Similarity 100.
Matches 30; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-330-872-5
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30 1 GCTCTAGAATGAACGGTGGAAGGCGGCAGG 30 ò g

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RESULT 2 US-10-330-872A-5 ; Sequence 5, Application US/10330872A

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) OTHER INFORMATION: Description of Artificial Sequence: Target sequence/sinA sense; OTHER INFORMATION: region
PCT-US03-04088-529
                                                                                                                                                                                                                                                                                                                                                                                                                                                             GENERAL INFORMATION:

APPLICANT: McSwiggen, James

APPLICANT: McSwiggen, James

APPLICANT: McSwiggen, James

APPLICANT: McSwiggen, James

TITLE OF INVENTION: Expression Using Short Interfering RNA (sinA)

TITLE OF INVENTION: Expression Using Short Interfering RNA (sinA)

TITLE OF INVENTION: Expression Using Short Interfering RNA (sinA)

FILE REFERENCE: 02-708-A (400/080)

CURRENT FILING DATE: 2003-04-28

PRIOR FILING DATE: 2002-07-17

PRIOR APPLICATION NUMBER: US 60/359, 580

PRIOR FILING DATE: 2002-02-20

PRIOR FILING DATE: 2002-03-11

PRIOR FILING DATE: 2002-03-11

PRIOR FILING DATE: 2002-06-06

PRIOR FILING DATE: 2002-09-09

PRIOR FILING DATE: 2002-09-09

PRIOR FILING DATE: 2002-09-06

PRIOR FILING DATE: 2002-09-06

PRIOR FILING DATE: 2002-09-06

PRIOR FILING DATE: 2002-09-06

PRIOR PRILING DATE: 2002-09-06

PRIOR PRILING DATE: 2002-09-06

PRIOR APPLICATION NUMBER: US 60/440,129

PRIOR APPLICATION NUMBER: US 60/440,129

PRIOR APPLICATION NUMBER: US 60/440,129
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TITLE OF INVENTION: Human Telomerase Catalytic Subunit
NUMBER OF SEQUENCES: 727
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length 23;
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Pred. No. 0.0089;
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                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 529, Application PC/TUS0304088
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GENERAL INFORMATION:
APPLICANT: Cech, Thomas R.
Lingner, Joachim
Nakamura, Toru
Chapman, Karen B.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      23 ATGAACGGTGGAAGGCGGCAGG 2
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                                                                                    Query Match
Best Local Similarity 100.0%;
Matches 23; Conservative 0
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; OTHER INFORMATION: region PCT-US03-04088-520
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NUMBER OF SEQ ID NOS: 626
SOFTWARE: Patentin version
SEQ ID NO 529
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: RNA
ORGANISM: Artificial
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Local Similarity
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                                                                                                                APPLICANT: Inchtsteiner, Serge
APPLICANT: Inchtsteiner, Serge
APPLICANT: Inchtsteiner, Serge
APPLICANT: Vasserot, Alain
APPLICANT: Pruzan, Ronald
TITLE OF INVENTION: Using Purified Telomerase to Identify Telomerase Activators and
TITLE OF INVENTION: Unhibitors
TITLE OF INVENTION: Unhibitors
FILE REFERENCE: 01/06C
CURRENT APPLICATION NUMBER: 08/510,736
PRIOR FILING DATE: 1995-08-04
PRIOR FILING DATE: 1995-08-04
PRIOR FILING DATE: 1999-10-18
PRIOR PRILICATION NUMBER: 09/420,056
PRIOR FILING DATE: 1999-10-18
PRIOR FILING DATE: 2000-11-20
NUMBER OF SEQ ID NOS: 11
SOSTWARE: Patentin version 3.1
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APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Ribozyme Dames
APPLICANT: Beigelman, Leonid
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase Gene
TITLE OF INVENTION: Expression Object Short Interfering RNA (siNA)
CURRENT APPLICATION NUMBER: PCT/US03/04088
CURRENT FILING DATE: 2003-04-28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
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ORGANIZM: Artificial
**RAPATURE:
OTHER INFORMATION: Description of Artificial Sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity 100.0%; Pred. No. 2.1e-07;
Matches 30; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PRIOR APPLICATION NUMBER: US 60/396, 600
PRIOR PILLING DATE: 2002-07-17
PRIOR APPLICATION NUMBER: US 60/356, 600
PRIOR PILLING DATE: 2002-07-17
PRIOR APPLICATION NUMBER: US 60/363, 124
PRIOR PILLING DATE: 2002-03-11
PRIOR PILLING DATE: 2002-06-66
PRIOR PILLING DATE: 2002-06-66
PRIOR FILLING DATE: 2002-06-66
PRIOR PILLING DATE: 2002-06-66
PRIOR PILLING DATE: 2002-09-05
PRIOR PILLING DATE: 2002-09-09
PRIOR FILLING DATE: 2002-09-09
PRIOR PILLING DATE: 2002-09-09
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 520, Application PC/TUS0304088 GENERAL INFORMATION:
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SOFTWARE: PatentIn version 3.2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ; ORGANISM: Homo sapiens
US-10-330-872A-5
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APPLICANT: Cech, Thomas R
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                                                                                                                                        COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IEM PC compatible
COMPUTER: IEM PC compatible
COMPUTER: IEM PC compatible
COMPUTER: IEM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/721,456
FILING DATE: 22-Nov-2000
CLASSIFICATION DATA:
APPLICATION DATA:
APPLICATION NUMBER: US/08/974,549A
FILING DATE: 01-NOV-1997
APPLICATION NUMBER: US 08/724,643
FILING DATE: 01-NOV-1997
APPLICATION NUMBER: US 08/844,419
FILING DATE: 18-APR-1997
APPLICATION NUMBER: US 08/844,419
FILING DATE: 18-APR-1997
APPLICATION NUMBER: US 08/846,017
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             73.3%; Score 22; DB 6; Length 26; 100.0%; Pred. No. 0.0089; ive 0; Mismatches 0; Indels
                        Townsend and Crew LLP Center, Eighth Floor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NAME: Apple, Randolph Ted
REGISTRATION NUMBER: 36,429
REFERENCE/DOCKET NUMBER: 015389-002610US
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ; OTHER INFORMATION: /note= "R3c primer"; SEQUENCE DESCRIPTION: SEQ ID NO: 598: US-09-721-456-598
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PILING DATE: 14-AUG-1997
APPLICATION WUMBER: US 08/915,503
FILING DATE: 14-AUG-1997
APPLICATION NUMBER: WO PCT/US97/17618
FILING DATE: 01-OCT-1997
APPLICATION NUMBER: WO PCT/US97/17885
FILING DATE: 01-OCT-1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                FILING DATE: 25-APR-1997
APPLICATION NUMBER: US 08/851,843
FILING DATE: 06-MAY-1997
APPLICATION NUMBER: US 08/854,050
FILING DATE: 09-MAY-1997
APPLICATION NUMBER: US 08/911,312
FILING DATE: 14-AUG-1997
APPLICATION NUMBER: US 08/912,951
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TELEPHONE: (415) 576-0200
TELEPAX: (415) 576-0300
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                                                STREET: Two Embarcadero
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                INFORMATION FOR SEQ ID NO: 598
CORRESPONDENCE ADDRESS:
                                                                                                STATE: California
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity 100.0
Matches 22; Conservative
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US-10-325-810-598
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Sequence 598, Application US/10325810 GENERAL INFORMATION:

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Gaps
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COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOSTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/325,810
FILING DATE: 20-Dec-2002
CLASSIFICATION DATA:
APPLICATION NUMBER: US/09/402,181
FILING DATE: 19-Sep-1997
APPLICATION NUMBER: US 08/724,643
FILING DATE: 01-OCT-1996
APPLICATION NUMBER: US 08/844,419
FILING DATE: 18-APR-1997
APPLICATION NUMBER: US 08/844,419
FILING DATE: 10-TOTAL OF THE TABLE OF TABLE OF THE TABLE OF THE
                                      Morin, Gregg B.
Harley, Calvin B.
Andrews, William H.
TITLE OF INVENTION: Human Telomerase Catalytic Subunit
NUMBER OF SEQUENCES: 633
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 26;
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COCATION: 1..26
COTHER INFORMATION: /note= "R3c primer"
SEQUENCE DESCRIPTION: SEQ ID NO: 598:
US-10-325-810-598
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match 73.3%; Score 22; DB 9; 18est Local Similarity 100.0%; Pred. No. 0.0089; Matches 22; Conservative 0; Mismatches 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICATION NUMBER: WO PCT/US97/17885 FILING DATE: 01,-OCT-1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICATION NUMBER: US 08/854,050
FILING DATE: 09-MAY-1997
APPLICATION NUMBER: US 08/911,312
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICATION NUMBER: US 08/915,503
FILING DATE: 14-AUG-1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          FILING DATE: 14-AUG-1997
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SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 STRANDEDNESS: single
Chapman,
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5 GCTCTAGAATGAACGGTGGAAG 26

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APPLICANT: Ribozzone Pharmaceuticals, Inc.
APPLICANT: Ribozzone Danes
APPLICANT: Beigelman, Leones
APPLICANT: Beigelman, Leone Mediated Inhibition of Telomerase Gene
TITLE OF INVENTION: Expression Using Short Interfering RNA (sinA)
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                                                                                                                                                                                                                                                                                                                                                                            ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION NUMBER: US/10/359,935
FILING DATE: 07-Feb-2003
CLASSIFICATION: 435
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                                                                                                                                                                                                                                                                 ADDRESSEE: Townsend and Townsend and Crew LLP STREET: Two Embarcadero Center, Eighth Floor
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REGISTRATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 015389-000821US
TELECOMMUNICATION INFORMATION:
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APPLICATION NUMBER: US/09/057,351

FILING DATE: 08-APPL1994

APPLICATION NUMBER: US 08/272,102

FILING DATE: 07-UUL-1994

APPLICATION NUMBER: US 08/330,123

FILING DATE: 27-OCT-1994

APPLICATION NUMBER: US 08/330,123

FILING DATE: 07-UUL-1995
                                                                                                                    Feng, Junli
Funk, Walter
Andrews, William H.
TITLE OF INVENTION: Mammalian Telomerase
NUMBER OF SEQUENCES: 42
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match 73.3%; Score 22; DB Best Local Similarity 100.0%; Pred. No. 0.0 Matches 22; Conservative 0; Mismatches
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MOLECULE TYPE: DNA

SEQUENCE DESCRIPTION: SEQ ID NO: 23:
US-10-359-935-23
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                                                                                             APPLICANT: Villeponteau, Bryant
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 5 GCTCTAGAATGAACGGTGGAAG 26
                                          Sequence 23, Application US/10359935 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ATTORNEY/AGENT INFORMATION
                                                                                                                                                                                                                                                                                                               CITY: San Francisco
STATE: California
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SEQUENCE CHARACTERISTICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: nucleic acid
STRANDEDNESS: singl
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TELEPHONE:
                    -10-359-935-23
RESULT
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OTHER INFORMATION: Description of Artificial Sequence: Target sequence/sinA sense; OTHER INFORMATION: region
PCT-US03-04088-587
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APPLICANT: Ribozyme Pharmaceuticals, Inc.

APPLICANT: Ribozyme Pharmaceuticals, Inc.

APPLICANT: McSwiggen, James

APPLICANT: McSwiggen, James

APPLICANT: Besigelman, Leonid

TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase

TITLE OF INVENTION: Expression Using Short Interfering RNA (siNA)

FILE REFERENCE: 02-708-A (400/080)

CURRENT APPLICATION NUMBER: 2003-04-28

PRIOR APPLICATION NUMBER: US 60/396,600

PRIOR PILING DATE: 2002-07-17

PRIOR PILING DATE: 2002-07-17

PRIOR PILING DATE: 2002-03-11

PRIOR PILING DATE: 2002-06-06

PRIOR PILING DATE: 2002-09-05

PRIOR PILING DATE: 2002-09-05

PRIOR PILING DATE: 2002-09-05

PRIOR PILING DATE: 2002-09-05

PRIOR PILING DATE: 2003-01-15

PRIOR PILING DATE: 2003-01-15

PRIOR PILING DATE: 2003-01-15

PRIOR PILING DATE: 2003-01-15
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                                                                                                         PRIOR PLING DATE: 2002-07-17
PRIOR APPLICATION NUMBER: US 60/359,000
PRIOR APPLICATION NUMBER: US 60/359,580
PRIOR PLING DATE: 2002-02-20
PRIOR APPLICATION NUMBER: US 60/363,124
PRIOR PILING DATE: 2002-03-11
PRIOR APPLICATION NUMBER: US 60/406,784
PRIOR PILING DATE: 2002-06-06
PRIOR PLING DATE: 2002-09-05
PRIOR APPLICATION NUMBER: US 60/406,784
PRIOR APPLICATION NUMBER: US 60/409,293
PRIOR APPLICATION NUMBER: US 60/409,293
PRIOR PILING DATE: 2002-09-05
PRIOR PILING DATE: 2002-09-09
                             PCT/US03/04088
                                                                                         PRIOR APPLICATION NUMBER: US 60/396,600
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 521, Application PC/TUS0304088 GENERAL INFORMATION:
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02-708-A (400/080)
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SOFTWARE: PatentIn version 3.2
SEQ ID NO 521
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NUMBER OF SEQ ID NOS: 626
SOFTWARE: PatentIn version 3.2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: RNA
ORGANISM: Artificial
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SOFTWARE: Pat
SEQ ID NO 587
LENGTH: 21
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TYPE: RNA ORGANISM: Artificial

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; OTHER INFORMATION: Description of Artificial Sequence: Target sequence/sinA sense; OTHER INFORMATION: region
PCT-US03-04088-14
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OTHER INFORMATION: Description of Artificial Sequence: Target sequence/sinA sense
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   GENERAL INCREMATION:

APPLICANT: Ribozyme Pharmaceuticals, Inc.

APPLICANT: Reswiggen, James

APPLICANT: McSwiggen, James

APPLICANT: Beigelman, Leonid

TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase Gene

TITLE OF INVENTION: Rxpression Using Short Interfering RNA (siNA)

TITLE OF INVENTION: Expression Using Short Interfering RNA (siNA)

FILE REFRENCE: 02-708-A (400/080)

FILE REFRENCE: 02-708-A (400/080)

FRICH RAPLICATION NUMBER: US 60/396,600

PRIOR APPLICATION NUMBER: US 60/358,580

PRIOR FILING DATE: 2002-00-20

PRIOR FILING DATE: 2002-00-20

PRIOR FILING DATE: 2002-00-3-11

PRIOR FILING DATE: 2002-00-05

PRIOR FILING DATE: 2003-01-15

NUMBER OF SEQ ID NOS: 626

SECONTANES PACENTIN VENERR: US 60/440,129

PRIOR FILING DATE: 2003-01-15

NUMBER OF SEQ ID NOS: 626
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100.0%; Pred. No. 0.49;
tive 0; Mismatches
                                             PRIOR FILING DATE: 2002-07-17
PRIOR PRIOR PLICATION NUMBER: US 60/359,500
PRIOR APPLICATION NUMBER: US 60/353,124
PRIOR FILING DATE: 2002-02-20
PRIOR PRIOR DATE: 2002-03-11
PRIOR FILING DATE: 2002-03-11
PRIOR FILING DATE: 2002-06-06
PRIOR FILING DATE: 2002-06-06
PRIOR FILING DATE: 2002-08-29
PRIOR FILING DATE: 2002-09-05
PRIOR FILING DATE: 2002-09-05
PRIOR FILING DATE: 2002-09-05
PRIOR PLICATION NUMBER: US 60/409,378
PRIOR FILING DATE: 2002-09-09
PRIOR APPLICATION NUMBER: US 60/409,293
PRIOR FILING DATE: 2002-09-09
PRIOR PLING DATE: 2002-09-09
PRIOR PLING DATE: 2002-09-09
PRIOR PLING DATE: 2002-09-09
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                                                                                                                                                                                                                                                                                                                                                                                                                                                   NUMBER OF SEQ ID NOS: 626
SOFTWARE: PatentIn version 3.2
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Best Local Similarity
Matches 19; Conserva
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: RNA
ORGANISM: Artificial
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ORGANISM: Artificial
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LENGTH: 19
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; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Target sequence/siNA sense;
; OTHER INFORMATION: region
PCT-US03-04088-521
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    OTHER INFORMATION: Description of Artificial Sequence: Target sequence/sinaper-rus03-04088-592
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APPLICANT: Beigelman, Leonid
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase Gene
TITLE OF INVENTION: Expression Using Short Interfering RNA (siNA)
FILE REPERENCE: 02-708-A (400/080)
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66.7%; Score 20; DB 1; Length 21;
Best Local Similarity 95.0%; Pred. No. 0.13;
Matches 19; Conservative 1; Mismatches 0; Indels
                                                                                                                               Query Match 70.0%; Score 21; DB 1; Length 23; Best Local Similarity 100.0%; Pred. No. 0.034; Matches 21; Conservative 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: Ribozyme Pharmaceuticals, Inc.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 14, Application PC/TUS0304088
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 592, Application PC/TUS0304088 GENERAL INFORMATION:
                                                                                                                                                                                                                                     1 GCTCTAGAATGAACGGTGGAA 21
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APPLICANT: Beigelman, Leonid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: RNA
ORGANISM: Artificial
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APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Beigelman, Leonie
APPLICANT: Beigelman, Leonie
TITLE OF INVENTION: Expression Using Short Interfering RNA (siNA)
FILE REFERENCE: 02-708-A (400/080)
CURRENT APPLICATION NUMBER: PCT/US03/04088
PRIOR APPLICATION NUMBER: US 60/396,600
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                                                                                                                                                                                                                                                                                                                                  APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: McSwiggen, James
APPLICANT: Beigelman, Leonid
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase Gene
TITLE OF INVENTION: Expression Using Short Interfering RNA (siNA)
FILE REFERENCE: 02-708-A (400/080)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           OTHER INFORMATION: Description of Artificial Sequence: siNA antisense OTHER INFORMATION: region
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                                                             Length 19;
                                                                                                    0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match 63.3%; Score 19; DB Best Local Similarity 100.0%; Pred. No. 0.4 Matches 19; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PRIOR FILING DATE: 2002-09-09
PRIOR APPLICATION NUMBER: US 60/440,129
PRIOR FILING DATE: 2003-01-15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PCT-US03-04088-538/c; Sequence 538, Application PC/TUS0304088; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                         Sequence 278, Application PC/TUS0304088 GENERAL INFORMATION:
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                                                                                                                                                11 GAACGGTGGAAGGCGGCAG 29
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SOFTWARE: Patentin version 3.2
SEQ ID NO 278
; OTHER INFORMATION: region PCT-US03-04088-257
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: RNA
ORGANISM: Artificial
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PRIOR FILENCE DATE: 2002-02-12
PRIOR PILENCE DATE: 2002-03-11
PRIOR PILENCE DATE: 2002-03-11
PRIOR PILENCE DATE: 2002-03-11
PRIOR PILENCE DATE: 2002-03-13
PRIOR PILENCE DATE: 2002-03-13
PRIOR PILENCE DATE: 2002-06-06
PRIOR PILENCE DATE: 2003-06-06
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POTHER INFORMATION: Description of Artificial Sequence: sinA sense region FEATURE:

| PEATURE:
| MAME/KEX: misc_feature
| LOCATION: (20)...(21)
| OTHER INFORMATION: n stands for thymidine
| PCT-US03-04088-539
| Query Match
| East Local Similarity 100.0%; Pred. No. 0.49; Marches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Search completed: June 23, 2003, 19:12:12 Job time : 1317.89 secs

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Run on:

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Email: cgapbs-remail.nih.gov
Tissue Procurement: Christopher Moskaluk, M.D., Ph.D., Michael R.
Emmert-Buck, M.D., Ph.D.
Emmert-Buck, M.D., Ph.D.
CDNA Library Preparation: Life Technologies, Inc.
cDNA Library Arrayed by: Greg Lennon, Ph.D.
DNA Sequencing by: Washington University Genome Sequencing Center
Clone distribution: NCI-CGAP clone distribution information can be
found through the I.M.A.G.E. Consortium/LLNL at:
www-bio.llnl.gov/bbrp/image/image.html
                                                                                                                                     T74961 Ye8503.FI
BH811442 SALK 0586
AA681423 vr41f08.8
BI822830 603040148
A2971265 2M0244N12
BH91685 SALK 0608
AU103554 AU103554
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AU17932 AU107930
AU17932 AU107930
AU259636 AU256636
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                AU104493 AU104493
AZ471573 IM0286G13
AL462526 T. brucei
AL487013 T. brucei
AA912698 0130e02.8
AL459090 T. brucei
AV964763 AV964763
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Bukaryota; Wetazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Bukaryota; Wetazoa; Chordata; Catarrhini; Hominidae; Homo.
I (bases 1 to 37)
NOI-CGAP http://www.ncbi.nlm.nih.gov/ncicgap.
NOI-CGAP http://www.ncbi.nlm.nih.gov/ncicgap.
Twitonal Cancer Institute, Cancer Genome Anatomy Project (CGAP);
Tumor Gene Index
Unpublished (1997)
Contact: Robert Strausberg, Ph.D.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ALIGNMENTS
AU104491
AU104493
AZ471573
TAZ64G100
TAZ64G100
AA912698
TA106A06P
TA964763
T74961
BH811442
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BI822830
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BH791685
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AU259636
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AUI 04288
AUI 04280
AUI 04291
AUI 04292
AUI 04295
AUI 04295
AUI 04295
AUI 07570
AUI 07670
AUI 07670
AUI 07673
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AI358100.1 GI:4109721
     sequence.
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VERSION
KEYWORDS
SOURCE
ORGANISM
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AI358100/c
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AUTHORS
TITLE
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COMMENT
   A1358100 qv96c06.x
AA388365 vc94b10.r
AU256784 AU256784
BF234348 602026283
BHS1171 SALK 0734
AZ606694 1M0428D15
                                                                                                                   June 23, 2003, 04:47:09; Search time 1546.73 Seconds (without alignments): 314.123 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Description
                   GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.
                                                                                                                                                                                                                            1 GCTCTAGAATGAACGGTGGAAGGCGGCAGG 30
                                                                                                                                                                                                                                                                                                                 16154066 segs, 8097743376 residues
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AA388365
AU256784
BF234348
BH851717
AZ606694
                                                                                      nucleic search, using sw model
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Gapop_60.0 , Gapext 60.0
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30
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Match Length
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337
41
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48
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Perfect score:
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Word size :

Searched:

Sequence:

Database:

Result No.

460

Gaps

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BF234348 1007_CGAP_119 Mus musculus cDNA clone IMAGE:4161429 5',
          38 bp mRNA linear EST 25-APR-2002 AU256784 3'-directed mouse cDNA library Mus musculus cDNA clone BED0008969 3', mRNA sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus. (bases 1 to 38)

Kato, K. and Matoba, R. Generation of expressed sequence tags from mouse brain Unpublished (2002)
/note="Vector: pT7T3D-Pac (Pharmacia) with a modified
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    /clone lib="3'-directed mouse cDNA library"
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/note="Vector: pGEM-T-easy"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 38;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0; Indels
                                                                                                                                                                                                                 Length 37;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Email: kkato@bs.aist-nara.ac.jp,
URL:http://love2.aist-nara.ac.jp/BED/index.html
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Cortact: Kikuya Kato
Graduate School of Biological Sciences
Nara Institute of Science and Technology
9916-5 Takayama, Ikoma, Nara 630-0101, Japan
Fax: 81-743-72-5589
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       36.7%; Score 11; DB 9; Le
100.0%; Pred. No. 3.9e+04;
:ive 0; Mismatches 0;
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100.0%; Pred. No. 3.9e+04;
ive 0; Mismatches 0;

    .38
    /organism="Mus musculus"

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/clone="BED0008969"
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Best Local Similarity 100.
Matches 11; Conservative
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AU256784/c
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BF234348/c
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ORIGIN
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AUTHORS
TITLE
JOURNAL
COMMENT
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          37 bp mRNA linear EST 23-APR-1997 vc94b10.rl Barstead MPLRB1 Mus musculus cDNA clone IMAGE:790651 5' similar to TR:G624778 G624778 E25. ;, mRNA sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus. 1 (bases 1 to 37)
Marra,M., Hillier,L., Allen,M., Bowles,M., Dietrich,N., Dubuque,T., Geisel,S., Kucaba,T., Lacy,M., Le,M., Martin,J., Morris,M., Schellenberg,K., Steptoe,M., Tan,F., Underwood,K., Moore,B., Theising,B., Wylie,T., Lennon,G., Soares,B., Wilson,R. and
                                                                                                                                                                                                                                                                                                                                                                                                                           ö
                                                                                                      /organism="Homo sapiens"
/db_xref="taxon:8606"
/clone="IMAGE:1989418"
/clone="IMAGE:1989418"
/clone="IMAGE:1989418"
/clone="IMAGE:1989418"
/clone="IMAGE:1989418"
/tissue type="Mcderately-differentiated endometrial
adenocarcinoma, 3 pooled tumors"
/lab host="DHIOB"
/note="Organ: uterus; Vector: pCMV-SPORT6; Site_1: Sal1;
/note="Organ: uterus; Vector: pCMV-SPORT6; Site_1: Sal1;
Site_2: Not1; Cloned unidirectionally. Primer: Oligo dT.
Average insert size 1.85 kb. Life Technologies catalog #:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Email: mouseest@watson.wustl.edu
This clone is available royalty-free through LLNL ; contact the
IMAGE Consortium (info@image.llnl.gov) for further information.
                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108
Tel: 314 286 1800
Fax: 314 286 1810
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Possible reversed clone: similarity on wrong strand
Seq primer: -28ml3 rev2 ET from Amersham
High quality sequence stop: 1.
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                    Length 37;
                                                                                                                                                                                                                                                                                                                                                                                                                           0; Indels
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WashU-HHMI Mouse EST Project
Washington University School of MedicineP
                                                                                                                                                                                                                                                                                                                                                                                        Score 12; DB 9; Le
Pred. No. 1.1e+04;
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(db_xref="taxon:10090"

(clone="InAGB;)790651"

(clone lib="Barstead MPLRB1"

fex="mlxed"
        Trace considered overall poor quality
Seg primer: -400P from Gibco
High quality sequence stop: 1.
Location/Qualifiers
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                                                                                                                                                                                                                                                                                                                                                                                      10.0%; Score 12; DB 3 ilarity 100.0%; Pred. No. 1.10 Conservative 0; Mismatches
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/organism="Mus musculus"
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The WashU-HHMI Mouse EST Project
Unpublished (1996)
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/dev_stage="6 weeks"
/lab_host="DH10B"
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                                                                                              /db_xref="taxon:3702"
/clone="SALK 07341.49.55.x"
/clone="lb="Arabidopsis thaliana TDNA insertion lines"
/clone="lb="Arabidopsis thaliana TDNA insertion lines"
/note="PCR was performed on Arabidopsis thaliana lines
each of which contains one or more TDNA insertion
each of which contains one or more TDNA insertion
each of which contains one defermine the genomic sequence at
the stre of insertion. Details of the protocols used can
be found at http://signal.salk.edu/tdna_protocols.html"
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Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C., Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A. and Wright,D.,Weiss,R.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Unpublished (2000)
Contact: Robert B. Weiss
Contversity of Utah Genome Center
University of Utah
Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, 84112, USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Mouse whole genome scaffolding with paired end reads from 10kb
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/clone="UUGC1M0428D15"
/one lib="Mouse 10kb plasmid UUGC1M library"
/sex="Male"
                                                                                                                                                                                                                                                                                                                                                                                                                36.7%; Score 11; DB 17; Length 41; 100.0%; Pred. No. 4e+04; ive 0; Mismatches 0; Indels
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Fax: 801 585 7177
Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00
Plate: Q428 row: D column: 15
Seg primer: CACACAGGAAACAGCTATGACC
Class: plasmid ends
                                                   organism="Arabidopsis thaliana"
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    /organism="Mus musculus"
/strain="C57BL/6J"

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Bukaryota, Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots;
Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots;
Sosidae; eurosids II; Brassicales; Brassicaceae; Arabidopsis.

[ bases 1 to 41)
Alonso,J.M., Leisse,T.J., Barajas,P., Chen,H., Cheuk,R., Gadrinab,C., Jeske,A., Karnes,M., Kim,C.J., Parker,H., Prednis,L., Shinn,P., Sequence-Indexed Library of Insertion Mutations in the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ö
                                                                                                                                                                 Contact: Robert Strausberg, Ph.D.
Email: cgapbs-r@mail.nih.gov
Tisaue Procurement: Jeffrey E. Green, M.D.
Tisaue Procurement: Jeffrey E. Green, M.D.
CDNA Library Preparation: Life Technologies, Inc.
CDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
DNA Sequencing by: Incyte Genomics, Inc.
Clone distribution: MGC clone distribution information can be found through the I.M.A.G.E. Consortium/LLNL at:
http://image.llnl.gov
Plate: LLAM9442 row: f column: 22
High quality sequence stop: 40.
Location/Qualifiers
                        Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
mamalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus
1 (bases 1 to 40)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 /cloud lib="NCI CGAP_Li9"
/lab_host="DH10B (TI phage-resistant)"
/note="Organ: liver; Vector: pCWV-SPORT6; Site_1: Not1;
Site_2: Sall; Cloned unidirectionally. Primer: Oligo dT.
Average insert size 1.9 kb. Constructed by Life
Technologies. Note: this is a NCI_CGAP Library."
                                                                                           NIH-MGC http://mgc.nci.nih.gov/.
National Institutes of Health, Mammalian Gene Collection (MGC)
Unpublished (1999)
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Unpublished (2001)
Unpublished (2001)
Contact: Joseph R. Ecker
Salk Institute Genomic Analysis Laboratory (SIGNAL)
The Salk Institute for Biological Studies
10010 N. Torrey Pines Road, La Jolla, CA 92037, USA
TH: 858 453 4100 x1752
Pax: 858 558 6379
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4e+04;
thes 0; Indels
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/strain="FVB/N"
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/clone="IMAGE:4161429"
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Best Local Similarity 100.
Matches 11, Conservative
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Query Match 36.7
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Matches 11; Conservative
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was blunt end-repaired with T4 DNA polymerase and T4 polymucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptored DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gelectrophoresis. Vector DNA was prepared from a derivative of pulviple derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptored mouse DNA was annealed to adaptored vector DNA, and transformed into chemically-competent E. coll X110-Gold (Stratagene) cells and selected for ampicillin resistance."
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Department of Virology

Institute of Medical Science, University of Tokyo

4-6-1, Shirokanedai, Minatoku, Tokyo 108-8639, Japan

Email: yauzuki@ims.u-tokyo.ac.jp
Suzuki,Y., Yoshitomo-Nakagawa,K., Maruyama,K., Suyama,A. and Sugano,S. Construction and characterization of a full length-enriched and a 5-end-enriched cDNA library. Gene 200 (1-2), 149-156 (1997).

Location/Qualifiers
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/ Organism="Homo sapiens"

/ db_xref="taxon:9606"

/clone="HBP22239"

/clone="Lib="Sugano Homo sapiens cDNA library"

/note="Differential display comparison of untreated and

/note="Differential display comparison of untreated and

dimethylfumarate treated U937 cells"
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Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo.
1 (bases 1 to 50)
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iive 0; Mismatches 0;
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EMBO Rep. 2 (5), 388-393 (2001)
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Contact: Yutaka Suzuki
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SM Muss musculus

Bukaryota, Metazoa, Chordata, Craniata, Vertebrata; Euteleostomi,

Bukaryota, Metazoa, Rodentia, Sciurognathi, Muridae, Murinae, Mus.

E 1 (Bases 1 to 19)

S Dunn, D, Aoyaqi, A., Barber, M., Beacorn, T., Duval, B., Hamil, C.,

Islam, H., Longacre, S., Mahmoud, M., Meenen, E., Pedersen, T., Reilly

M., Rose, M., Rose, R., Stokes, R., Tingey, A., von Niederhausern, A.

and Wright, D. Weiss, R.

Mouse whole genome scaffolding with paired end reads from 10kb

plasmid inserts

L Unpublished (2000)

Contact: Robert B. Weiss

University of Utah Genome Center

University of Utah

Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT

84112, USA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Contact: Yutaka Suzuki
Department of Virology
Institute of Medical Science, University of Tokyo
Institute of Medical Science, University of Tokyo
Institute of Medical, Minatoku, Tokyo 108-8639, Japan
Email: ysuzuki@ims.u-tokyo.ac.jp
Suzuki,Y., Yoshitcmo-Nakagawa,K., Maruyama;K., Suyama,A. and Sugano
,S. Construction and characterization of a full length-enriched and
a 5'-end-enriched CDNA library. Gene 200 (1-2), 149-156 (1997).
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AU104493 Sugano Homo sapiens cDNA library Homo sapiens cDNA clone ADKA03063, mRNA sequence.
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Diverse transcriptional initiation revealed by fine, large-scale mapping of mRNA start sites
EMBO Rep. 2 (5), 388-393 (2001)
                                                                                                                                                                                                                                                                                                            Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
1 (bases 1 to 50)
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/rlone_lib="Sugano Homo sapiens cDNA library"
/note="Differential display comparison of untreated and dimethylfumarate treated U937 cells"
26 c 13 g 7 t
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iive 0; Mismatches 0;
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/db_xref="taxon:9606"
/clone="ADKA03063"
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GSS 13-DEC-2000
  4 kb). The v + i method used for the library construction is described in detail in Smith, H. and Venter, J.C. (Making small insart libraries for whole genome shotgun sequencing projects. In Genome Sequencing: A Practical Approach, eds. M. Vaudin and B. Barrell, Oxford University Press, 1999).
Email: nelsayed@tigr.org
Details of T. brucei sequencing at the Sanger Centre are available at http://www.sanger.ac.uk/Projects/T_brucei/.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Constructed at the Institute for Genomic Research (TIGR),
Rockville, MD. Genomic DNA isolated from a cloned population of
Trypanosoma brucei (TREU927/4 GUTAt 10.1) was mechanically sheared
to give a tight size distribution (
4 kb). The v + i method used for the library construction is
described in detail in Smith, H. and Venter, J.C. (Making small
insert libraries for whole genome shotgun sequencing projects. In
Barrell, Oxford University Press, 1999).

Email: nelsayed@tigr.org
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Chillingworth, C., Ormond, D., Harris, B., El-Sayed, N., Hou, L.,
Melville, S.E., Rajandream, M.A. and Barrell, B.G.
Direct Submission
Submitted (10-DEC-2000) Trypanosoma brucei genome sequencing
project, Sanger Centre, The Wellcome Trust Genome Campus, Hinxton,
Cambridge CB10 1SA, B-mail: barrell@sanger.ac.uk and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Details of T. brucel sequencing at the Sanger Centre are available at http://www.sanger.ac.uk/Projects/T_brucei/.
Location/Qualifiers
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100.0%; Pred. No. 1.4e+05;
tive 0; Mismatches 0;
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/clone="116e03"
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                                                                                                                                                                                                                                                                                                                                                                                                                                  // Ardinsters. Coll Birain Allo Cold, Interestant, Fr. // Ardinsters. Coll Birain Allo Cold, Interestant, Fr. // Ardinsters. Mouse DNA Resource Laboratory Mouse DNA Resource (http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with TA DNA polymerase and TA polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptored DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pwD42 (gi|4732114|gb|AP129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptored mouse DNA was annealed to adaptored vector DNA, and transformed into chemically-competent E. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."
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                                                                                                                                                                                                                                                                                                                                                                                                                  lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
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Tel: 801 585 5606
Fax: 801 585 7177
Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00
Plate: 0286 row: G column: 13
                                                                                        Seq primer: CGTTGTAAAACGACGCCAGTC188: plasmid ends
                                                                                                                                                                                                                                                               organism="Mus musculus"
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Location/Qualifiers
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(bases 1 to 28)
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Best Local Similarity 100.
Matches 10; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Anote—"Organ: pooled; Vector: pT713D-Pac (Pharmacia) with a modified polylinker; Site 1: Not I: Site 2: ECO RI; Bqual amounts of plasmid DNA from three normalized libraries (fetal lung NbH119W, testis NHT, and B-cell NCI CGAP GCB1) were mixed, and ss circles were made in vitro. FOllowing HAP purification, this DNA was used as vitracer in a subtractive hybridization reaction. The driver was PCR-amplified cDNAs from pools of 5,000 clones made In. A.A.G.E. clones 297480-302087, 682632-687239,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TA106A06P 31 bp DNA linear GSS 13-DEC-2000
T. brucei sheared genomic DNA clone 106a06, forward sequence,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ô
                                                                                                                EST 10-JUN-1998
                                                                                          31 bp mRNA linear EST 10-JUN-195
0130e02.81 Soares NFL T GBC_S1 Homo sapiens cDNA clone
MAGE:1524986 3' SimiTar to TR:014564 014564 HYPOTHETICAL 67.1 KD
PROTEIN. ;, mRNA sequence.
                                                                                                                                                                                                                                                                                Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo. I Chases I to 31.
NCI-CGAP http://www.ncbi.nlm.nih.gov/ncicgap.
National Cancer Institute, Cancer Genome Anatomy Project (CGAP),
                                                                                                                                                                                                                                                                                                                                                                                                                 Contact: Robert Strausberg, Ph.D.

Contact: Robert Strausberg, Ph.D.

Email: cgapbs-r@mail.nih.gov

This clone is available royalty-free through LLNL; contact the IMAGE Consortium (info@mage.llnl.gov) for further information. Insert Length: 378 Std Error: 0.00

Seq primer: -40ml3 fwd. ET from Amersham

High quality sequence stop: 1.

Location/Qualifiers
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Trypanosoma brucei
Bukaryota; Euglenozoa; Kinetoplastida; Trypanosomatidae;
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100.0%; Pred. No. 1.4e+05;
tive 0; Mismatches 0;
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/organism="Homo sapiens"
/db_xref="taxon:9606"
/clone="IMAGE:1524986"
/clone lib="Soares NFL_T_GBC_S1"
/lab_host="DH10B"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Soares and M. Fatima Bonaldo.
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AL459090
AL459090.1 GI:11830967
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AA912698.1 GI:3052090
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Unpublished (1997)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Conservative
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     7 AGAATGAACG 16
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KEYWORDS
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1 (bases 1 to 34)
Satoh, N., Satou, Y., Kohara, Y. and Shin-i, T.
Expressed genes in Ciona intestinalis
Unpublished (2000)
                                                                                                                                                                                                 nhi@sanger.ac.uk
Constructed at the Institute for Genomic Research (TIGR),
Constructed at the Institute for Genomic Research (TIGR),
Rockville, MD. Genomic DNA isolated from a cloned population of
Trypanosoma brucei (TR1927/4 GUTat 10.1) was mechanically sheared
to give a tight size distribution (
4 kb). The v + i method used for the library construction is
described in detail in Smith, H. and Venter, J.C. (Making small
insert libraries for whole genome shotgun sequencing projects. In
Genome Sequencing: A Practical Approach, eds. M. Vaudin and B.
Barrell, Oxford University Press, 1999).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Email: nelsayed@tigr.org
Details of T. bruce; sequencing at the Sanger Centre are available
at http://www.sanger.ac.uk/Projects/T_brucei/
Location/Qualifiers
                                                                                                                 Submitted (10-DEC-2000) Trypanosoma brucei genome sequencing project, Sanger Centre, The Wellcome Trust Genome Campus, Hinxton, Cambridge CB10 1SA, E-mail: barrell@sanger.ac.uk and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         /clone_"ciad15006"
/clone_lib="Nori Satch unpublished cDNA library, young
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AV964763 Nori Satch unpublished cDNA linear EST 14-MAR-:
integrinalis cDNA clone ciadiso06 5', mRNA sequence.
AV964763
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
Hall, N., Bowman, S., Lennard, N.J., Doggett, J., Atkin, R., Chillingworth, C., Ormond, D., Harris, B., El-Sayed, N., Hou, L., Melville, S.E., Rajandream, M.A. and Barrell, B.G.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             /dev stage="young adult"
/note="Vector: pBluescript SK"
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/db_xref="taxon:7719"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 /organism="Trypanosoma brucei"
/strain="TRED927"
/bxref="taxon:5691"
/clone="106a06"
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Sakyo-ku, Kyoto, Kyoto 606-8502, Japan
Tel: 81-75-753-4081
Fax: 81-75-705-1113
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0; Mismatches
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Department of Zoology
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Ciona intestinalis.
Ciona intestinalis
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

Bukaryota; Metazoa; Chordata; Catarrhini; Hominidae; Homo.

1. (Dasea 1 to 34)

1. (Dasea 1 to 34)

1. (Dasea 1 to 34)

1. Hillari., Clark,N., Dubuque,T., Elliston,K., Hawkins,M., Hohman,M., Kucaba,T., Le,M., Lennon,G., Marra,M., Parsons,J., Rifkih,L., Rohlfing,T., Soares,M., Tan,F., Trevaskis,E., Waterston,R., Williamson,A., Wohldmann,P. and Wilson,R.

1. Washu-Merck EST Project

1. Unpublished (1995)

1. Contact: Wilson RK

1. Washington University School of Medicine

1. A44 Forest Park Parkway, Box 8501, St. Louis, MO 63108

1. Tel: 314 286 1810

1. Email: estewatson.wustl.edu

1. Insert Size: 317

1. Source: IMAGE Consortium, LIAN, This clone is available royalty-free through LiAN, contact the IMAGE Consortium (info@image.llnl.gov)

1. For tuther information. Trace considered overall poor quality

1. Possible reversed clone: similarity on wrong strand

1. Insert Length: 1872

2. Standard Augustion Strand

3. Insert Length: 1872

4. High quality sequence stop: 1.

5. Insert Length: 1872

5. Insert Length: 1872

6. Insert Length: 1872
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                                                                                                                                                                                                                                                                                                                  yc85b03.rl Soares infant brain INIB Homo sapiens cDNA clone
IMAGE:22801 5' similar to SP:A27671 A27671 SPECTRIN ALPHA CHAIN,
NONERYTHROID - RAT ;, mRNA sequence.
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  Length 34;
Query Match 33.3%; Score 10; DB 10; Length 34 Best Local Similarity 100.0%; Pred. No. 1.4e+05; Matches 10; Conservative 0; Mismatches 0; Indels
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/db_xref="GDB:395148"
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/clone="IMAGE:22801"
/clone lib="Soares infant brain lNIB"
/sex="female"
                                                                                                                                                                                                                                                                                                                                                                                            T74961
T74961.1 GI:691636
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Best Local Similarity 100.0
Matches 10, Conservative
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17 TGGAAGGCGG 26

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11 TGGAAGGCGG 20
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Search completed: June 23, 2003, 10:10:24 Job time : 1548.89 secs

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Title: Perfect score:

Sequence:

nucleic

Run on:

Scoring table:

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Minimum | Maximum |

Database

Result No.

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APPLICANT: Wu, Fred
APPLICANT: Wu, Fred
APPLICANT: Kealey, James T.
APPLICANT: Weinrich, Scott L.
TITLE OF INVENTION: Methods for Detecting the RNA Component of
TITLE OF INVENTION: Telomerase
OVERSEPONDENCE: 26
CORRESPONDENCE ADDRESS:
ADDRESSEE: TOWNSEND and TOWNSEND and CREW LLP
     Sequence
                                                                                                                                                                               Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match 100.0%; Score 30; DB 2; Length 30; Best Local Similarity 100.0%; Pred. No. 4.3e-05; Matches 30; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      COUNTRY: USA

ZIP: 94111-3834

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC Compatible
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION WINHER: US/08/770,565
FILNG DATE: 20-DEC-1996
CLASSIFICATION: 435
ATTONERY/AGENT INFORMATION:
NAME: SCOTELLA JOHN R.
REGISTRATION NUMBER: 32,944
REPRENCE/DOCKET NUMBER: 32,944
REPRENCE/DOCKET NUMBER: 015389-002300US
TELEPHANICATION INFORMATION:
TELEPHANICATION DOS:
SEQUENCE CHARACTERISTICS:
LENGTH: 30 base pairs
LENGTH: 30 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SEE: TOWNSEND and TOWNSEND and CREW LLP: Two Embarcadero Center, 8th Floor San Francisco Galifornia
(21)ifornia
US-08-759-873-8
US-08-411-7958-255
US-08-764-114-255
US-08-469-319A-255
US-08-411-7958-234
US-08-469-319A-409
US-08-469-319A-409
US-08-469-319A-409
US-08-69-319A-409
US-08-764-114-409
US-08-764-114-409
US-08-769-119A-409
US-08-769-119A-409
US-08-769-719A-409
US-08-769-719A-409
US-08-729-955A-9
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                                                                                                                                                                                                                                                                                                                                                          ALIGNMENTS
                                                                                                                                                                                                                                                                                                                                                                                                                                                 ; Sequence 8, Application US/08770565; Patent No. 5846723; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TOPOLOGY: linear MOLECULE TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                              US-08-770-565-8
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                                                                                                                      June 24, 2003, 22:17:30 ; Search time 45.5378 Seconds (without alignments) 202.036 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
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(cgn2_6/ptodata/2/ina/5A_COMB.seq:*

(cgn2_6/ptodata/2/ina/5B_COMB.seq:*

(cgn2_6/ptodata/2/ina/6A_COMB.seq:*

(cgn2_6/ptodata/2/ina/6B_COMB.seq:*

(cgn2_6/ptodata/2/ina/6B_COMB.seq:*

(cgn2_6/ptodata/2/ina/bcTUS_COMB.seq:*

(cgn2_6/ptodata/2/ina/pcTUS_COMB.seq:*
                  GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd
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US-08-485-778-19
US-08-850-550A-19
US-08-974-549A-59
US-08-974-549A-59
US-09-220-157A-26
US-09-220-157A-26
US-09-580-517-23
US-08-770-565-9
US-08-770-565-9
US-08-630-172-24
US-08-630-172-24
US-08-975-419-24
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PCT-US96-05291A-2
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US-08-710-249-26
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US-08-629-939-8
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Maximum Match 100%
Listing first 45 summaries
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Match Length
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seq length: 50
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1 GCTCTAGAATGAACGGTGGAAGGCGGCAGG 30

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SUBTRACTOR.

SUBTRACTOR.

PERSONAL TOWNSTOR.

PERSONAL SOUR LIL ENGARD M.

APPLICANT ACKINGOM III. Edward M.

APPLICANT ACKINGOM III. Edward M.

APPLICANT ACKINGOM III. Edward M.

APPLICANT Wesseror, Alain P.

APPLICANT WESSER S.

COMPETER REDAMES 15

COMPETER REDAMES 15

COMPETER: APPLICANT WESSER 15

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                                APPLICANT: Wu, Fred
APPLICANT: Kealey, James T.
APPLICANT: Frizan, Ronald
APPLICANT: Prizan, Ronald
APPLICANT: Weinrich, Scott i.
TITLE OF INVENTION: Telomerase
ITLE OF INVENTION: Telomerase
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:
ADDRESSEE: TWO MANSEND and TOWNSEND and CREW LLP
STREET: Two Embarcadero Center, 8th Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 27;
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; Sequence 23, Application US/08330123A
; Sequence 23, Application US/08330123A
; Sequence 23, Application US/08330123A
; Patent No. 558306
; Patent No. 558306
; APPLICANT: VILLEPONTEAU, Bryant
APPLICANT: FUNK, Walter
; APPLICANT: FUNK, Walter
; APPLICANT: RUNK, Walter
; APPLICANT: PUNK, Walter
; APPLICANT: PUNK, Walter
; APPLICANT: PUNK, Walter
; APPLICANT: PUNK, Walter
; APPLICANT: PUNK Walter
; NUMBER OF SEQUENCES: 25
; CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend Khourie and Crew
; STREET: 379 Lytton Avenue
; CITY: Palo Alto
; COMPUTRY: US
; ZIP: 94301
; COMPUTRY: ISP PC Compatible
; COMPUTRY: IBM PC COMPATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                  CCUNTRY: USA

ZIP: 94111-3834

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC COMPATIBLE
COMPUTER: Ploppy disk
COMPUTER: Ploppy disk
COMPUTER: PatentIn Release #1.0, Version #1.30
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: 20-DEC-1996
FILING DATE: 20-DEC-1996
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: SCOTELLA, JOHN R.
REFERENCE/DOCKET NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 015389-002300US
TELEPHONE: 415-576-0200
TELEPHONE: 415-576-0200
TELEPRATION FOR SEQ ID NO: 26:
SEQUENCE CHARACTERISTICS:
"PMCTH: 27 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 23; DB 2;
Pred. No. 0.065;
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Best Local Similarity 100.0%; Pr
Matches 23; Conservative 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: nucleic aci
STRANDEDNESS: sin
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INFORMATION:
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MEDIUM TYPE: Floppy disk

MEDIUM TYPE: Floppy disk

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/660,678A

FILING DATE: 05-0UN-1996

CLASSIFICATION DATA:

APPLICATION NUMBER: US 08/330,123

FILING DATE: 27-0CT-1994

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/272,102

FILING DATE: 07-0UL-1994

ATTORNEY/AGENT INFORMATION:

NAMME: STORIELLIAN NUMBER: US 08/272,102

FILING DATE: 07-0UL-1994

ATTORNEY/AGENT INFORMATION:

NAMME: STORIELLIAN NUMBER: US 08/272,102

FILING DATE: 07-0UL-1994

ATTORNEY/AGENT INFORMATION:

NAMME: STORIELLIAN NUMBER: US 08/272,102

FILING DATE: 07-0UL-1994

ATTORNEY/AGENT INFORMATION:

NAMME: STORIELLIAN NUMBER: US 08/272,102

FILING DATE: 07-0UL-1994

REFERENCE/DAUNINGTHEN NUMBER: US 08/272,102

FILING DATE: 07-0UL-1994

REFERENCE/DAUNINGTHEN NUMBER: US 08/272,103

FILING DATE: 07-0UL-1994

REFERENCE/DAUNINGTHEN NUMBER: US 08/272,103

FILING DATE: 07-0UL-1994

REFERENCE/DAUNINGTHEN NUMBER: US 08/272,103

FILING DATE: 07-0UL-1994

REFERENCE/DAUNINGTHEN NUMBER: US 08/272,103
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          IB: Townsend and Townsend and Crew LLP
Two Embarcadero Center, Eighth Floor
                                                                                                                                                                                                                                                           DB 1;
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Pred. No. 0.18;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 23, Application US/08660678A
Patent No. 5837857
GENERAL INFORMATION:
APPLICANT: Villeponteau, Bryant
APPLICANT: Feng, Juni
APPLICANT: Funk, Walter
APPLICANT: Funk, Walter
TILE OF INVENTION: Mammalian Telomerase
NUMBER OF SEQUENCES: 30
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       100.0%; Preu. ...
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                                                                                                                                                                                                                                                           Score 22;
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Best Local Similarity 100.0%; Pi
Matches 22; Conservative 0;
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       (415) 576-0300
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match 73.39
Best Local Similarity 100.0
Matches 22; Conservative
                            INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SEQUENCE CHARACTERISTICS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CITY: San Francisco
STATE: California
                                                                                                           nucleic acid
                                                                                                                                                       TOPOLOGY: linear MOLECULE TYPE: DNA
                                                                                                           TYPE: nucleic
STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              USA
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       TELEFAX:
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APPLICANT: Feng, Junia
APPLICANT: Feng, Junia
APPLICANT: Feng, Junia
APPLICANT: Andrews, William H.
TITLE OF INVENTION: Assays for the RNA Component of Human
TITLE OF INVENTION: Telomerase
NUMBER OF SEQUENCES: 40
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STRATE: California
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             DB 1; Length 26;
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CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/482,115B
FILING DATE: 07-JUN-1995
CLASSIFICATION 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/272,102
FILING DATE: 07-JUL-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/330,123
APPLICATION NUMBER: US/08/330,123
ATTORNEY/AGENT INFORMATION:
SOPTWARE: Patentin Release #1.0, Version #1.25 RRENT APPLICATION DATA: APPLICATION NUMBER: US/08/330,123A
                                                                    FILING DATE: 27-OCT-1994
CLASSIFICATION: 435
PIOR APPLICATION 435
PILING DATE: 07-OCT-1994
APPLICATION DATA: 08/272,102
FILING DATE: 07-JUL-1994
ATTORNEY/AGENT INFORMATION: NAME: 6mith, william M REGISTRATION NUMBER: 30,233
REFERENCE/DOCKET NUMBER: 15389-000810
TELEBHONE: (415) 326-2402
TELEPHONE: (415) 326-2422
INPORMATION FOR SEQ ID NO: 23: SEQUENCE CHARACTERISTICS: LENGTH: 26 base pairs
TYPE: nucleic acid
TYPE: nucleic acid
TYPE: GENEROLES: SINGle
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TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match 73.3%; Score 22; DB Best Local Similarity 100.0%; Pred. No. 0.1 Matches 22; Conservative 0; Mismatches
                                    UMBER: US/08/330,123A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 23, Application US/08482115B Patent No. 5776679 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ZIP: 94111.3834
COMPUTER REALABLE FORM:
MEDIUM TYPE: Floppy disk
MCOMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 GCTCTAGAATGAACGGTGGAAG 22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 32,944
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ; MOLECULE TYPE: DNA
US-08-330-123A-23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            linear
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5 GCTCTAGAATGAACGGTGGAAG 26

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APPLICANT: Villeponteau, Bryant
APPLICANT: Feng, Junli
APPLICANT: Andrews, William H.
APPLICANT: Adams, Robert R.
TITLE OF INVENTION: Methods and Reagents for Regulating
TITLE OF INVENTION: Telomere Length and Telomerase Activity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 DB 2; Length 26; 0.18;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CURRENT APPLICATION DATA:

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/710,249
FILING DATE: 13-SEP-1996
CLASSIFICATION: 536
PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/583,808
FILING DATE: 05-JAN-1996
PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 06/03,492
FILING DATE: 05-JAN-1996
PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 60/003,492
FILING DATE: 08-SEP-1995
ATTORNEY/AGENT INFORMATION:

NAME: SLOCALIA, UDAR REFERENCE/DOCKET NUMBER: 32,944

REGISTRATION INFORMATION:

MUME: COMMUNICATION INFORMATION:

AND COMMUNICATION INFORMATION INFORMATION:

AND COMMUNICATION INFORMATION 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match 73.3%; Score 22; DB Best Local Similarity 100.0%; Pred. No. 0.1 Matches 22; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       22
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 19, Application US/08485778 Patent No. 5876979 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Andrews, William H. Avilion, Ariel Athena
                                                                 Sequence 26, Application US/08710249
Patent No. 5858777
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 26:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Feng, Junli
Funk, Walter
Greider, Carol
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     LENGTH: 26 base pairs
TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              STREET: Two Embarcad
CITY: San Francisco
STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                            NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                MOLECULE TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                USA
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APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US-08-710-249-26
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                                           US-08-710-249-26
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    RESULT 8
RESULT 7
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                                                                                                                                                                                                                                                                                                                                                                                                                       OURTRAING SYSTEM: PC-LUOS/MS-LUOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/485,778
FILING DATE: 07-02-1995
CLASSITCATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/387,524
FILING DATE: 13-FEB-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/330,123
FILING DATE: US 08/330,123
FILING DATE: US 08/330,123
FILING DATE: US 08/320,123
FILING DATE: US 08/320,123
FILING DATE: US 08/320,123
ATTORNEY/AGENT INFORMATION:
NAME: Granahan, Patitica
REGISTRATION NUMBER: CSHL94-05A4
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
                                                                                                                                        ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C. STREET: Two Militia Drive
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 24, Application US/08472802C
; Sequence 24, Application US/08472802C
; Patent No. 5958680
; GENERAL INFORMATION:
    APPLICANT: Villeponteau, Bryant
    APPLICANT: Feng, Juni;
    APPLICANT: Feng, Juni;
    APPLICANT: Andrews, William H.
    TITLE OF INVENTION: Mammalian Telomerase
    NUMBER OF SEQUENCES: 4
    CORRESPONDENCE ADDRESS:
    ADDRESSEE: Townsend and Townsend and Crew LLP
    ADDRESSEE: Townsend and Townsend and Crew LLP
    CORRESPONDENCE ADDRESS:
    ADDRESSEE: Townsend and Townsend and Crew LLP
    CORRESPONDENCE ADDRESS:
    ADDRESSEE: Townsend and Townsend and Crew LLP
    CORRESPONDENCE ADDRESS:
    ADDRESSEE: Townsend and Townsend and Crew LLP
    STREET: Two Embarcadero Center, Eighth Floor
    CITY: San Francisco
    STATE: California
                              APPLICANT: Villeponteau, Bryant
TITLE OF INVENTION: RNA COMPONENT OF TELOMERASE
NUMBER OF SEQUENCES: 45
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match 73.3%; Score 22; DB 2; Best Local Similarity 100.0%; Pred. No. 0.18; Matches 22; Conservative 0; Mismatches
Marhuenda, Maria Antonia Blasco
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 GCTCTAGAATGAACGGTGGAAG 22
                                                                                                                                                                                                                                                                                                                                                                            COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC COMpatible
                                                                                                                                                                                                                                                                                       ZIP: 02173
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TELEPHONE: 617-861-6240
TELEFAX: 617-861-9540
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             26 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  linear
                                                                                                                                                                                                        Lexington
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US-08-472-802C-24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  , TOPOLOGY:
US-08-485-778-19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COUNTRY:
                                                                                                                                                                                                                                                                     COUNTRY:
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CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/998,443
FILING DATE:
CLASSIFICATION BATA:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/660,678
FILING DATE: 05-UN-1996
APPLICATION NUMBER: US 08/330,123
FILING DATE: 27-OCT-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/330,123
FILING DATE: 27-OCT-1994
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 23, Application US/08998443
Patent No. 6054575
GENERAL INFORMATION:
APPLICANT: Villeponteau, Bryant
APPLICANT: Feng, Junia
APPLICANT: Andrews, William H.
TITLE OF INVENTION: Mammalian Telomerase
NUMBER OF SEQUENCES: 30
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: SAN Francisco
                             APPLICATION NUMBER: US 08/272,102
FILING DATE: 07-JUL-1994
ATTONIEY/AGENT INFORMATION:
NAME: Granahan, Patricia
REGISTRATION NUMBER: 32,227
REFRERNCE/FOCKET NUMBER: CSHL94-05A3B
TELECOMMUNICATION INFORMATION:
TELEPAN: 617-861-6240
INFORMATION FOR SEQ ID NO: 19:
SEQUENCE CHARACTERISTICS:
LENGTH: 26 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                015389-000811US
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match 73.3%; Score 22; DB Best Local Similarity 100.0%; Pred. No. 0.1 Matches 22; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 GCTCTAGAATGAACGGTGGAAG 22
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ATJORNEY/AGENT INFORMATION:
NAME: SCORELLA, JOHN R.
REGISTRATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 0153
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TELEPAX: (415) 576-0300 INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             26 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: nucleic acid
STRANDEDNESS: sing
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  USA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US-08-520-550A-19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-08-998-443-23
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: FURK, WALEER
APPLICANT: FURK, WALEER
APPLICANT: Marhuenda, Maria A. B.
APPLICANT: Villeponteau, Bryant
TITLE OF INVENTION: RNA Component of Telomerase
NUMBER OF SEQUENCES: 47
CORRESPONDENCE ADDRESS:
ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
STREET: Two Militia Drive
CITY: Lexington
STATE: MA
COUNTY: US
COMPUTER: READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/520,550A
FILING DATE: 29-AUG-1995
PRIOR APPLICATION DATA:
APPLICATION DAT
YXTEM: PC-DOS/MS-DOS
Patentin Release #1.0, Version #1.30
                                                 SUTURERY APPLICATION DATA:

APPLICATION NUMBER: US/08/472,802C
FILING DATE: 07-UW-1995
CLASSIFICATION DATA:

APPLICATION NUMBER: US 08/272,102
FILING DATE: 07-UL-1994
PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/272,102
FILING DATE: 07-UL-1994
ATTORNEY AGENT INFORMATION:

NAME: Smith, William M.

REGISTRATION NUMBER: 15389-000820
TELECOMMUNICATION INFORMATION:

TELEPHONE: (415) 576-0200
TELEPHONE: (415) 576-0300
INFORMATION FOR SEQ ID NO: 24:

SEQUENCE GRARACTERISTICS:

LENGTH: 26 base pairs
TYPE: NUCLEIC acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 19, Application US/08520550A Patent No. 6013468 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  73.5.
100.0%; Pr.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: Andrews, William H.
APPLICANT: Avilion, Ariel A.
APPLICANT: Feng, Junli
APPLICANT: Punk, Walter
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1 GCTCTAGAATGAACGG1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match 73.3
Best Local Similarity 100.
Matches 22; Conservative
         OPERATING SYSTEM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ; MOLECULE TYPE: DNA
US-08-472-802C-24
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COUNTER: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUW TYBE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PATENTIN PC-DOS/MS-DOS
SOFTWARE: PATENTIN ROLEASE #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/060,523
FILING DATE: 14-APR-1998
CLASSIFICATION NUMBER: US 08/660,678
FILING DATE: 05-UNN-1996
PRICK APPLICATION NUMBER: US 08/330,123
FILING DATE: 27-OCT-1994
PROFICATION NUMBER: US 08/330,123
FILING DATE: 27-OCT-1994
PROFICATION NUMBER: US 08/272,102
FILING DATE: 07-UUL-1994
ATTORNEY/AGENT INFORMATION:
NAME: STORTHIA, JOHN R.
RESERRACE/DOCKET NUMBER: 32,944
REFERRACE/DOCKET NUMBER: 015389-000813US
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELEFAX: (415) 576-0300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ## Sequence 23 Application US/09060523

## Septicant: Villeponteau, Bryant

## APPLICANT: Feng, Juni

## APPLICANT: Feng, Juni

## APPLICANT: Feng, Juni

## APPLICANT: Andrews, William H.

## TITE OF INVENTION: Mammalian Telomerase

## NUMBER OF SEQUENCES: 25

## ORRESPONDENCES: 25

## ORRESPONDENCES: 25

## APPLICANTE ADDRESS:

## ADDRESSEE: Townsend and Townsend and Crew LLP

## STREET: Two Embarcadero Center, Eighth Floor

## COUNTRY: USA

## COUNTRY: USA

## COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    73.3%; Score 22; DB 4; ilarity 100.0%; Pred. No. 0.18; Conservative 0; Mismatches
                                                                                                                   015389-002610US
                                                                                                                                                                                                                                                                                                                                                                                                                                        1 GCTCTAGAATGAACGGTGGAAG 22
FILING DATE: 01-OCT-1997
ATTORNEY/AGENT INFORMATION:
NAME: APPLe, Randchph Ted
REGISTRATION NUMBER: 36,429
REFERENCE/DOCKET NUMBER: 01536
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEPHONE: (415) 576-0300
INFORMATION FOR SEQ ID NO: 598:
SEQUENCE CHARACTERISTICS:
LENGTH: 26 base pairs
TYPE: NUCleic acid
STRANDENESS: single
                                                                                                                                                                                                                                                                                                                                                               linear
DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity
Matches 22; Conserv
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MOLECULE TYPE:
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                                                                                                                                                     Length 26;
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APPLICANT: Linguer, Joachim
APPLICANT: Linguer, Joachim
APPLICANT: Chapman, Karen B.
APPLICANT: Morin, Gregg B.
APPLICANT: Harley, Calvin B.
APPLICANT: Andrews, William H.
TITLE OF INVENTION: Human Telomerase Catalytic Subunit
CORPEGENORM.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         STATE: COUNTRY: USA

ZIP: 94111-384

ZIP: 94111-384

ZIP: 94111-386

ZIP: 94111-386

ZIP: 94111-386

COMPUTER: IBN PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/974,549A

FILING DATE: 19-NOV-1997

GIASSIFICATION NUMBER: US 08/844,419

FILING DATE: 18-APR-1997

PRIDA APPLICATION NUMBER: US 08/846,017

FILING DATE: 18-APR-1997

PRIDA APPLICATION NUMBER: US 08/851,843

FILING DATE: 06-MAY-1997

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/851,843

FILING DATE: 10-MAY-1997

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/851,843

FILING DATE: 14-AUG-1997

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/911,312

FILING DATE: 14-AUG-1997

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/911,312

FILING DATE: 14-AUG-1997

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/912,951

TING DATE: 14-AUG-1997

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/912,951

TING DATE: 14-AUG-1997

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/912,951
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADDRESSEE: Townsend and Townsend and Crew LLP STREET: Two Embarcadero Center, Bighth Floor CITY: San Francisco STATE: California
                                                                                                                                                  Ouery Match 73.3%; Score 22; DB 3; Best Local Similarity 100.0%; Pred. No. 0.18; Matches 22; Conservative 0; Mismatches
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APPLICATION NUMBER:
WO PCT/US97/17618
FILING DATE:
O1-0CT-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: WO PCT/US97/17885
                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 598, Application US/08974549A
Patent No. 6166178
                                                                                                                                                                                                                                                                                                               s gcrcragaardaacgcrggaag 26
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                      STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               GENERAL INFORMATION:
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US-09-286-959B-4
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APPLICANT: Feng, Junii
APPLICANT: Feng, Junii
APPLICANT: Andrews, William H.
APPLICANT: Andrews, William H.
TITLE OF INVENTION: Methods and Reagents for Regulating
TITLE OF INVENTION: Telomere Length and Telomerase Activity
NUMBER OP SEQUENCES: 26
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                DB 4; Length 26; 0.18;
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                                                                                                                                                                                                                                                                                0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/220,157A
                                                                                                                                                                                                                          Query Match 73.3%; Score 22; DB 4;
Best Local Similarity 100.0%; Pred. No. 0.18;
Matches 22; Conservative 0; Mismatches
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CLASSIFICATION:

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/08/710,249

FILING DATE: 13.5EP-1996

APPLICATION NUMBER: US 08/583,808

FILING DATE: 05.JAN-1996

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 60/003,492

FILING DATE: 08-5EP-1995

ATTORNEY/AGENT INFORMATION:

NAME: SLOVELIA, JOHN R.

REGISTRATION NUMBER: 32,944

REFERENCE/DOCKET NUMBER: 015389-0017

TELECOMMUNICATION INFORMATION:

TELEPHONE: (415) 576-0200

TELEPHONE: (415) 576-0300

TELEPAX: (415) 576-0300

TELEPAX: (415) 576-0300

TELEPAX: (415) 576-0300

TELEPAX: CARACTERISTICS:

LENGTH: 26 base pairs

"WODE: micleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 26, Application US/09220157A Patent No. 6300110 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                 1 GCTCTAGAATGAACGGTGGAAG 22
| INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS: LENGTH: 26 base pairs | TYPE: nucleic acid | STRANDEDNESS: single | TOPOLOGY: linear | TOPOLOGY: linear | MOLECULE TYPE: DNA | US-09-060-523-23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CITY: San Francisco
STATE: California
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TOPOLOGY: linear; MOLECULE TYPE: DNA US-09-220-157A-26
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US-09-220-157A-26
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0; Indels . 0; Gaps

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Gaps
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                                                                                                                                                  GENERAL INFORMATION:
APPLICANT: Johns Hopkins University
APPLICANT: Greider, Carol W.
APPLICANT: Greider, Carol W.
TITLE OF INVENTION: TELOWERASE-ASSOCIATED PROTEINS
FILE REFERENCE: 07265/157001
CURRENT APPLICATION NUMBER: US/09/286,959B
CURRENT FILING DATE: 1999-04-06
PRIOR APPLICATION NUMBER: 60/080,783
PRIOR APPLICATION NUMBER: 60/080,783
NUMBER OF SEQ ID NOS: 24
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 4
SEQ ID NO 4
SEQ ID NO 4
SEQ ID NO 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 22; DB 4;
Pred. No. 0.18;
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Job time: 46.5378 secs
5 GCTCTAGAATGAACGGTGGAAG 26
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                                                                                                                  Sequence 4, Application US/09286959B
Patent No. 6300131
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Best Local Similarity 100.0%; P:
Matches 22; Conservative 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
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sequence

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US-10-044-692-312
                                                            Sequence 31, Appl
Sequence 25, Appl
Sequence 255, App
Sequence 218, App
Sequence 51583, A
Sequence 51583, A
Sequence 19, Appl
Sequence 19, Appl
Sequence 19, Appl
Sequence 16, Appl
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Sequence 13, Appl
Sequence 10, Appl
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                                                                                    June 25, 2003, 13:28:54; Search time 91.1952 Seconds (without alignments) 482.732 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 312,
Sequence 23,
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                                                                                                                                                                                                                                                                                                                                                                                                                         Published Applications NA:*

(cgn2_6/ptodata/1/pubpna/USO7_PUBCOMB.seq:*

(cgn2_6/ptodata/1/pubpna/PCT_NEW_PUB.seq:*

(cgn2_6/ptodata/1/pubpna/USO6_NEW_PUB.seq:*

(cgn2_6/ptodata/1/pubpna/USO6_NEW_PUB.seq:*

(cgn2_6/ptodata/1/pubpna/USO8_NEW_PUB.seq:*

(cgn2_6/ptodata/1/pubpna/USO8_NEW_PUB.seq:*

(cgn2_6/ptodata/1/pubpna/USO8_NEW_PUB.seq:*

(cgn2_6/ptodata/1/pubpna/USO8_NEW_PUB.seq:*

(cgn2_6/ptodata/1/pubpna/USO9_NEW_PUB.seq:*

(cgn2_6/ptodata/1/pubpna/USO9_NEW_PUB.seq:*

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(cgn2_6/ptodata/1/pubpna/USO9_NEW_PUB.seq:*

(cgn2_6/ptodata/1/pubpna/USO9_NEW_PUB.seq:*

(cgn2_6/ptodata/1/pubpna/USO9_NEW_PUB.seq:*

(cgn2_6/ptodata/1/pubpna/USO9_NEW_PUB.seq:*

(cgn2_6/ptodata/1/pubpna/USO9_NEW_PUB.seq:*

(cgn2_6/ptodata/1/pubpna/USO0_NEW_PUB.seq:*

(cgn2_6/ptodata/1/pubpna/USO0_NEW_PUB.seq:*

(cgn2_6/ptodata/1/pubpna/USO0_PUBCOMB.seq:*

(cgn2_6/ptodata/1/pubpna/USO0_PUBCOMB.seq:*)
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GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.
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US-10-139-483-3
US-10-090-182A-255
US-10-090-182A-409
US-10-098-263B-51583
US-10-098-263B-81514
US-10-098-263B-81514
US-10-098-8838-105334
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US-09-852-416-31
US-10-096-789-13
US-10-096-790-10
                                                                                                                                                                               1 GCTCTAGAATGAACGGTGGAAGGCGGCAGG 30
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                                                                                                                                                                                                                                                          1042519 segs, 733713590 residues
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                                                                                                                                                                                                                                                                                                                                                                   Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
                                                         - nucleic search, using sw model
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Gapop 10.0 , Gapext 1.0
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Match Length
                                                                                                                                                                                                                                                                                                                                                                                                                               Published Published
                                                                                                                                                                                                                                                                                                                     Minimum DB seq length: 0 Maximum DB seq length: 50
                                                                                                                                                                                                           Scoring table:
                                                                                                                                                                  Perfect score:
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                                                                                                                                                                                  Sequence:
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                                                                                       Run on:
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Sequence 39, Sequence 25,

US-09-814-292-39 US-09-875-228-25

DIAGNOSTIC AND Sequence 64498, A Sequence 57, Appl Sequence 57, Appl Sequence 67, Appl Sequence 77, Appl Sequence 7103, Ap Sequence 111, Appl Sequence 5, Appli Sequence 13, Appl Sequence 135, Appl Sequence 50, Appl Sequence 13825, A Sequence 27359, A Sequence 27359, A Sequence 27369, A Sequence 27369, A Sequence 6, Appli Sequence 17930, A Sequence 19, Appl Sequence 77, Appl Sequence 4633, Ap Sequence 4634, Ap Sequence 31404, A Sequence 72147, A Sequence 25, Appl Morin, Gregg B.
Harley, Calvin
Andrews, William H.
TITLE OF INVENTION: HUMAN TELOMERASE CATALYTIC SUBUNIT:
THERAPEUTIC METHODS MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/044,692
FILING DATE: 11-Jan-2002
CLASSIFICATION: <UNKNOWN>
PRIOR APPLICATION DATA: ADDRESSER: Townsend and Townsend and Crew STREET: Two Embarcadero Center, 8th Floor CITY: San Francisco STATE: California COUNTRY: United States of America ZIP: 94111 US-10-062-809-21 US-10-098-25B-64498 US-10-081-806-67 US-10-081-806-67 US-09-940-244-56 US-09-940-244-56 US-09-940-244-56 US-09-848-754A-7103 US-09-848-754A-7103 US-10-215-112-4634 US-10-215-112-4634 US-10-215-112-4634 US-10-098-263B-7147 US-10-098-263B-7147 US-10-098-263B-7147 US-10-098-263B-7359 US-10-098-263B-73780 US-10-098-263B-73780 US-10-098-263B-73780 US-10-098-263B-73780 US-10-098-263B-77380 US-10-098-263B-77380 US-10-098-263B-77380 APPLICATION NUMBER: 08/912,951
FILING DATE: «Unknown»
APPLICATION NUMBER: US 08/854,050
FILING DATE: 09-MAY-1997
APPLICATION NUMBER: US 08/851,843
FILING DATE: 06-MAY-1997
APPLICATION NUMBER: US 08/846,017
FILING DATE: 25-APR-1997
APPLICATION NUMBER: US 08/844,419
FILING DATE: 18-APR-1997 ALIGNMENTS Sequence 312, Application US/10044692;
Publication No. US20030096344A1
GENERAL INFORMATION:
APPLICANT: Cech, Thomas R.
Lingner, Joachim
Nakamura, Toru
Chapman, Karen B. NUMBER OF SEQUENCES: 335 CORRESPONDENCE ADDRESS

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015389-000821US
                                                                                                                                                                                                                                                                                                                                                                       Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: Villeponteau, Bryant
APPLICANT: Feng, Junil
APPLICANT: Funk, Walter
APPLICANT: Andrews, William H.
TITLE OF INVENTION: Mammalian Telomerase
NUMBER OF SEQUENCES: 42
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                        TOPOLOGY: linear
MOLECULE TYPE: DNA
SEQUENCE DESCRIPTION: SEQ ID NO: 312:
                                                                                                                                                                                                                                                                                                                           13.3%; Score 22; ilarity 100.0%; Pred. No. Conservative 0; Mismatch
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 23, Application US/09057351
Patent No. US20010034439A1
                                                                                                                                                                                                                                                                                                                                                                                                                 1 GCTCTAGAATGAACGGTGGAAG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COUNTA;
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
computible
computible
computible
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 01
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
                                                                                                                                                              LENGTH: 26 base pairs
TYPE: nucleic acid
                                                                                                                                                                                                        STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TELEFAX: (415) 576-0300 INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SEQUENCE CHARACTERISTICS LENGTH: 26 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               nucleic acid
EDNESS: single
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: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               OPERATING SYSTEM:
SOFTWARE: PatentI
                                                                                                                                                                                                                                                                                                                                                      Best Local Similarity
Matches 22; Conserv
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                                                                                                                                                                                                                                                                                        US-10-044-539-312
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                                                                                                                                                                                                                                                                                                                                    Query Match
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                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                              ö
                                                                                                                                                                                                                                                                                                                                                                                                      Length 26;
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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
FILING DATE: 11-Jan-2002
CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                                                                                                                                            0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP STREET: Two Embarcadero Center, 8th Floor CITY: San Francisco
                                                         NAME: Apple, Randolph T.
REGISTRATION NUMBER: 36,429
REFERENCE/DOCKET NUMBER: 015389-002600US
TELECOMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEPAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 312:
                                                                                                                                                                                                                                                                                                                                                                                                    DB 9;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/912,951
FILING DATE: «Unknown»
APPLICATION NUMBER: US 08/854,050
FILING DATE: 09-MAY-1997
FILING DATE: 06-MAY-1997
APPLICATION NUMBER: US 08/851,843
APPLICATION NUMBER: US 08/846,017
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      THERAPEUTIC METHODS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    FILING DATE: 25 APR-1997
APPLICATION NUMBER: US 08/844,419
FILING DATE: 18-APR-1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICATION NUMBER: US 08/724,643
FILING DATE: 01-OCT-1996
                                                                                                                                                                                                                                                                                                                                                                                                  Query Match 73.3%; Score 22; DB Best Local Similarity 100.0%; Pred. No. 0.5 Matches 22; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  STATE: California
COUNTRY: United States of America
APPLICATION NUMBER: US 08/724,643
FILING DATE: 01-OCT-1996
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                           TOPOLOGY: linear .

MOLECULE TYPE: DNA SEQUENCE DESCRIPTION: SEQ ID NO: 312: US-10-044-692-312
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  RESULT 2
US-10-044-539-312
US-10-044-539-312
Sequence 312, Application US/10044539
Publication No. US20030100093A1
GENERAL INFORMATION:
APPLICANT: Cicch, Thomas R
Ingner, Joachim
Nakamura, Toru
Chapman, Karen B.
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TITLE OF INVENTION: HUMAN TEL
                                                                                                                                                                                                                 SEQUENCE CHARACTERISTICS:
LENGTH: 26 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Morin, Gregg B.
Harley, Calvin
                                                                                                                                                                                                                                                           TYPE: nucleic acid
STRANDEDNESS: single
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SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/057,351
FILING DATE: 08-APR-1994
CLASSIFICATION: 435
PRIOR APPLICATION THER: US/08/272,102
PRIOR APPLICATION NUMBER: US/08/272,102
PRIOR APPLICATION NUMBER: US/08/330,123
APPLICATION NUMBER: US/08/330,123
APPLICATION NUMBER: US/08/330,123
APPLICATION NUMBER: US/08/330,123
PRILNG APPLICATION DATE: US/08/330,123
APPLICATION NUMBER: US/08/330,123
RECITABLE OF THE STANDARD TO THE STANDARD TELEBRONG TELEBRONG TO THE STANDARD 
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        DB 9;
0.96;
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STRANDEDNESS:

ATTORNEY/AGENT INFORMATION:

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ATTORNEY/AGENT INFORMATION
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                                               ADDRESSEE: MORRISON
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             INFORMATION FOR SEQ ID NO: 13
      NUMBER OF SEQUENCES: 27
                                                                                                                                                                                                                                                                                                                                                            PRIOR APPLICATION DATA:
                       CORRESPONDENCE ADDRESS
                                                                                    CITY: Washington
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TELEX: <Unknown>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         20; Conservative
                                                                                                                             COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity
Matches 20; Conserva
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APPLICANT: PKhosla, Chaitan
APPLICANT: Ashley, Gary
APPLICANT: Ro, Hong
APPLICANT: Kao, Camilla M.
APPLICANT: KOO, Camilla M.
APPLICANT: McDaniel, Robert
TITLE OF INVENTION: COMBINATORIAL POLYKETIDE LIBRARIES
TITLE OF INVENTION: PRODUCED USING A MODULAR PKS GENE CLUSTER AS SCAFFOLD
                                                                                                                             Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       OTHER INFORMATION: Module rapDH/ER/KR1 (reverse) Primer pairs used OTHER INFORMATION: for PCR amplification of rapamycin PKS cassettes.
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AS SCAFFOLD
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Kao, Camilla M.
McDaniel, Robert
TITLE OF INVENTION: COMBINATORIAL POLYKETIDE LIBRARIES
                                                                                  DB 10; Length 26; 0.96;
                                                                                                                             0; Indels
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                                                                                73.3%; Score 22; DB 100.0%; Pred. No. 0.9; ive 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TILE REPERENCE: 30062-20005.02
CURRENT APPLICATION NUMBER: US/09/852,416
CURRENT FILING DATE: 2001-05-09
PRIOR APPLICATION NUMBER: 09/859,854
PRIOR APPLICATION NUMBER: 09/859,854
PRIOR PILING DATE: 1998-04-30
PRIOR PILING DATE: 1998-04-30
PRIOR PILING DATE: 1998-04-30
PRIOR FILING DATE: 1998-04-30
PRIOR FILING DATE: 1998-04-30
PRIOR FILING DATE: 1998-03-05
PRIOR FILING DATE: 1995-06-07
PRIOR FILING DATE: 1995-06-07
PRIOR FILING DATE: 1995-06-07
PRIOR FILING DATE: 1995-06-07
PRIOR PILING DATE: 1995-06-07
PRIOR PILING DATE: 1995-06-07
PRIOR PILING DATE: 1994-05-06
NUMBER OF SEQ ID NOS: 44
LENGTH: 30
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Publication No. US20330077760A1
GENERAL INFORMATION:
APPLICANT: Khosla, Chaitan
Ashley, Gary
                                                                                                                                                                                                                                                                                                          Sequence 31, Application US/09852416
Publication No. US20030040084A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: DNA
ORGANISM: Artificial Sequence
                                                                             Query Match 73.3
Best Local Similarity 100.
Matches 22; Conservative
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Best Local Similarity
; TOPOLOGY: linear; MOLECULE TYPE: DNA US-09-057-351-23
                                                                                                                                                                                                                                                                       RESULT 4
US-09-852-416-31
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APPLICANT: KOSAN BLOSCIENCES, INC.
APPLICANT: KOSAN BLOSCIENCES, INC.
APPLICANT: KHOSIA, Chaitan
TILLE OF INVENTION: COMBINATORIAL POLYKETIDE LIBRARIES
TITLE OF INVENTION: COMBINATORIAL POLYKETIDE LIBRARIES
TITLE OF INVENTION: PRODUCED USING A MODULAR PKS GENE CLUSTER AS SCAFFOLD
FILE REPERBERCE: 300062-20005.
CURRENT APPLICATION NUMBER: US 60/096,790
CURRENT FILING DATE: 1998-03-05
FRIOR APPLICATION NUMBER: US 60/003,338
FRIOR APPLICATION NUMBER: US 60/003,338
FRIOR APPLICATION NUMBER: US 80/406,645
FRIOR APPLICATION NUMBER: US 08/406,645
FRIOR FILING DATE: 1995-06-07
FRIOR FILING DATE: 1995-06-07
FRIOR FILING DATE: 1995-06-07
FRIOR FILING DATE: 1995-06-07
FRIOR FILING DATE: 1995-06-06
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                          STREET: 2000 Pennsylvania Avenue, NW, suite 5500
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Indels
                                                                                                                               ZIP: 20006-1888
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: DISKETTE
COMPUTER: DISKETTE
SOFTWARE: FASTSEQ for Windows Version 2.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 15.8; DB 9;
Pred. No. 6.3e+02;
0; Mismatches 7;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NAME: Murashige, Kate H
REGISTRATION NUMBER: 29,959
REFERENCE/DOCKET NUMBER: 30062-20005.00
                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICATION NUMBER: US/08/846,247
FILING DATE: 30-APR-1997
APPLICATION NUMBER: 08/486,645
APPLICATION NUMBER: 08/238,811
FILING DATE: 07-AVN-1995
FILING DATE: 06-MAX-1994
                                                                                                                                                                                                                                                                                                           CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/096,789
FILING DATE: 12-Mar-2002
CLASSIFICATION: <UNKNOWN>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SEQUENCE DESCRIPTION: SEQ ID NO: 13:
US-10-096-789-13
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& FOERSTER
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TELEPHONE: 202-887-1500
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Publication No. US20030077707A1
GENERAL INFORMATION:
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TYPE: DNA
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PRODUCED USING A MODULAR PKS GENE CLUSTER AS SCAFFOLD
                                                                                                                                                                                                                                                                                                                                                    Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
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                                                                                                                                                                                              ; FEATURE:
; OTHER INFORMATION: Primer rapDH/ER/KR1 (right half) (reverse)
US-10-096-790-10
                                                                                                                                                                                                                                                                                                   Length 30;
                                                                                                                                                                                                                                                                                                                                                 Indels
                                                                                                                                                                                                                                                                                              Query Match 52.7%; Score 15.8; DB 9; Best Local Similarity 74.1%; Pred. No. 6.3e+02; Matches 20; Conservative 0; Mismatches 7;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: PKhosla, Chaitan
APPLICANT: Achiev, Gary
APPLICANT: Ro, Camilla M.
APPLICANT: Ro, Camilla M.
APPLICANT: Ro, Camilla M.
APPLICANT: Ro, Camilla M.
APPLICANT: McDaniel, Robert
TILLE OF INVENTION: COMBINATORIAL POLYKETIDE LIB
TITLE OF INVENTION: COMBINATORIAL POLYKETIDE LIB
TITLE OF INVENTION: 20062-20005.02
CURRENT PELICATION NUMBER: US/09/859,854
CURRENT FILING DATE: 1998-03-05
PRIOR APPLICATION NUMBER: 60/076,919
PRIOR APPLICATION NUMBER: 08/486,645
PRIOR FILING DATE: 1998-03-05
PRIOR FILING DATE: 1997-04-30
PRIOR FILING DATE: 1997-04-30
PRIOR FILING DATE: 1997-04-30
PRIOR APPLICATION NUMBER: 08/238,811
PRIOR FILING DATE: 1994-05-06
NUMBER OF SEQ ID NOS: 44
SOFTWARE: FASELSEQ for Windows Version 4.0
SEQ ID NO 31
LENGTH: 30
PRIOR APPLICATION NUMBER: US 08/164,301
PRIOR FILING DATE: 1993-12-08
NUMBER OF SEQ ID NOS: 23
SOFTWARE: PastSEQ for Windows Version 4.0
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Patent No. US20020068332A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: DNA
ORGANISM: Artificial Sequence
                                                                                                                                                                    ORGANISM: Artificial Sequence
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                                                                                                 SEQ ID NO 10
LENGTH: 30
                                                                                                                                                  TYPE: DNA
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Sequence 3, Application US/10139483 Publication No. US20030055266A1

GENERAL INFORMATION:
APPLICANT: Beeley, Nigel R
APPLICANT: Behan, Dominic P

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Thomas, John W.

TITLE OF INVENTION: Methods of Ex-vivo Expansion of
Hematopoietic Cells Using Interleukin-3 (IL-3) Multiple
Mutation Polypeptides
APPLICANT: Menaaghi, Frederique
APPLICANT: Strah-Pleynet, Sonja
TITLE OF INVENTION: Small Molecule Modulators Of G Protein-Coupled Receptor
TITLE OF INVENTION: Six
TITLE OF INVENTION: Six
FILE REFERENCE: ARENOSS
CURRANT APPLICATION NUMBER: US/10/139,483
CURRANT FILING DATE: 2002-05-06
PRIOR PLING DATE: 2000-02-25
PRIOR FILING DATE: 1999-07-20
PRIOR FILING DATE: 1999-07-30
NUMBER OF SEQ ID NOS: 6
SOFTWARE: Patentin Ver: 2.1
SEQ ID NO 3
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                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 31;
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Corporate Patent Dept. Mail Zone 04E
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 15.4; DB 9;
Pred. No. 9.6e+02;
0; Mismatches 6;
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APPLICATION NUMBER: US 07/981,044
FILING DATE: 24-NOV-1992
APPLICATION NUMBER: PCT/US93/11197
FILING DATE: 22-NOV-1993
APPLICATION NUMBER: 08/411,795
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FILING DATE: 03-Apr-2002
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 2 CTCTAGAATGAACGGTGGAAGGCGG 26
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               4 crcradaargcaggigcaaarccg 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 255, Application US/10090182A Publication No. US20030103936A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Bauer, S. C.
Braford-Goldberg, S
Caparon, Maire H.
Easton, Alan M.
Klein, Barbara K.
McKearn, John P.
Olins, Peter O.
Paik, Kumnan
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CLASSIFICATION: <Unknown>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ZIP: 63167
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Abrams, Mark A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                       51.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NUMBER OF SEQUENCES: 415
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
Best Local Similarity 76.0
Matches 19; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CITY: St. Louis
STATE: Missouri
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  STREET: 800 N.
                                                                                                                                                                                                                                                                                                                                                                               ; ORGANISM: Homo sapiens
US-10-139-483-3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        US-10-090-182A-255
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TITLE OF INVENTION: Methods of Ex-vivo Expansion of Hematopoietic Cells Using Interleukin-3 (IL-3) Multiple Mutation Polypeptides
                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
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                                                                                                                                                                                                                                                                                                                                                                             Length 41;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NUMBER OF SEQUENCES: 415
CORRESPONDENCE ADDRESS:
ADDRESSEE: S. Christopher Bauer, Pharmacia Corp
Corporate Patent Dept. Mail Zone 04E
                                                                                                                                                                                                                                                                                                                                                                                                                      Indela
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/090, 182A
FILING DATE: 03 Apr-2002
CLASSIFICATION: <UNKnown>
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                        Query Match
48.7%; Score 14.6; DB 9;
Best Local Similarity 81.0%; Pred. No. 2.2e+03;
Matches 17; Conservative 0; Mismatches 4;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICATION NUMBER: 08/764,114
FILING DATE: 09-DEC-1996
APPLICATION NUMBER: US 07/981,044
FILING DATE: 24-NOV-1992
APPLICATION NUMBER: PCT/US93/11197
FILING DATE: 22-NOV-1993
APPLICATION NUMBER: 08/411,795
FILING DATE: 04-JUN-1995
                                                                                                                                                                                                                                                          TOPOLOGY: linear
MOLECULE TYPE: DNA (synthetic)
SEQUENCE DESCRIPTION: SEQ ID NO: 234:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: Abrams, Mark A.
Bauer, S. C.
Braford-Goldberg, Sarah R.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         REGISTRATION NUMBER: 42,305
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        US-10-090-182A-409/c
; Sequence 409, Application US/10090182A
; Publication No. US20030103936A1
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ATTORNEY/AGENT INFORMATION:
NAME: S. Christopher Bauer
  NAME: S. Christopher Baue
REGISTRATION NUMBER: 42,3
REFERENCE/DOCKET NUMBER:
                                                                TELECOMMUNICATION INFORMATION:
TELEPHONE: (336)737-6257
TELEFAX: (736)737-6257
INFORMATION FOR SEQ ID NO: 234:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 GCTCTAGAATGAACGGTGGAA 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               12 GCTCTATAATGATCGATGAAA 32
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Caparon, Maire H.
Easton, Alan M.
Klein, Barbara K.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          McKearn, John P.
Olins, Peter O.
Paik, Kumnan
                                                                                                                                                                                    LENGTH: 41 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Thomas, John W
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ZIP: 63167
COMPUTER READABLE FORM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CITY: St. Louis
STATE: Missouri
                                                                                                                                                                                                                                                                                                                             US-10-090-182A-234
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADDRESSEE: S. Christopher Bauer, Pharmacia Corp
Corporate Patent Dept. Mail Zone 04E
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARENT PAPLICATION DATA:
APPLICATION NUMBER: US/10/090,182A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TITLE OF INVENTION: Methods of Ex-vivo Expansion of
                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
48.7%; Score 14.6; DB 9;
Best Local Similarity 81.0%; Pred. No. 2.2e+03;
Matches 17; Conservative 0; Mismatches 4;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICATION NUMBER: 08/764,114
FILING DATE: 09-DEC-1996
APPLICATION NUMBER: US 07/981,044
FILING DATE: 24-NOV-1992
APPLICATION NUMBER: PCT/US93/11197
FILING DATE: 22-NOV-1993
APPLICATION NUMBER: 08/411,795
FILING DATE: 04-JUN-1995
            ATTORNEY/AGENT INFORMATION:
NAME: S. Christopher Bauer
REGISTRATION NUMBER: 4,305
REFERENCE/DOCKET NUMBER: C2713/12
TELECOMMUNICATION INFORMATION:
TELEPHONE: (361/37-6257
TELEPAX: (136)77-6257
INFORMATION FOR SEQ ID NO: 255:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                             7 TOPOLOGY: linear
7 MOLECULE TYPE: DNA ($YALheic)
7 SEQUENCE DESCRIPTION: SEQ ID NO: 255:
US-10-090-182A-255
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Bauer, S. C.
Braford-Goldberg, Sarah R.
Caparon, Maire H.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               STREET: 800 N. Lindbergh Blvd
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 234, Application US/10090182A Publication No. US20030103936A1 GENERAL INFORMATION: APPLICANT: Abrams, Mark A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          FILING DATE: 03-Apr-2002
CLASSIFICATION: <Unknown>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1 GCTCTAGAATGAACGGTGGAA 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        12 GCTCTATAATGATCGATGAAA 32
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ZIP: 63167
UTER READABLE FORM:
MEDIUM TYPE: Floppy disk
FILING DATE: 04-JUN-1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Baston, Alan M.
Klein, Barbara K.
McKearn, John P.
Olins, Peter O.
Paik, Kumnan
Thomas, John W.
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                                                                                                                                                                                                                                  LENGTH: 40 base pairs
                                                                                                                                                                                                                                                       TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NUMBER OF SEQUENCES: 415
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CORRESPONDENCE ADDRESS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CITY: St. Louis
STATE: Missouri
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-10-090-182A-234
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Query Match
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Publication No. US20030104410A1
GENERAL INFORMATION:
APPLICANT: Mitthen Michael
FILE REPERRICE: 3118.1
CURRENT FILING DATE: 2003-01-08
PRIOR APPLICATION NUMBER: 06/276,759
PRIOR APPLICATION NUMBER: 60/276,759
PRIOR APPLICATION NUMBER: 60/276,759
PRIOR APPLICATION NUMBER: 60/276,759
PRIOR APPLICATION NUMBER: 131066
NUMBER OF SEQ ID NOS: 131066
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 14.2; DB 9; Length 25;
Pred. No. 3.3e+03;
                                                                                                                                                                                                                                                                                                   Length 45;
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TITLE OF INVENTION: Human Microarray
FILE REFERENCE: 31181
FILE REFERENCE: 31181
FILE REFERENCE: 31181
CURRENT APPLICATION NUMBER: US/10/098,263B
CURRENT FILING DATE: 2003-01-08
PRIOR PILING DATE: 2001-03.16
NUMBER OF SEQ ID NOS: 131066
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 91514
LENGTH: 25
                                                                                                                                                                                                                                                                                                                                         Indels
                                                                                                                                                                                                                                                                                               Query Match

48.7%; Score 14.6; DB 9;
Best Local Similarity 81.0%; Pred. No. 2.3e+03;
Matches 17; Conservative 0; Mismatches 4;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                0; Mismatches
REFERENCE/DOCKET NUMBER: C2713/12
                                                                                                                                                                               ;
MOLECULE TYPE: DNA (synthetic)
;
SEQUENCE DESCRIPTION: SEQ ID NO: 409:
US-10-090-182A-409
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 81514, Application US/10098263B Publication No. US20030104410A1 GENERAL INFORMATION:
               TELECOMMUNICATION INFORMATION:
TELEPHONE: (636)737-6257
TELEPKX: (736)737-6257
INFORMATION FOR SEQ ID NO: 409:
SEQUENCE CHARACTERISTICS:
LENGTH: 45 base pairs
                                                                                                                                                                                                                                                                                                                                                                                   1 GCTCTAGAATGAACGGTGGAA 21
                                                                                                                                                                                                                                                                                                                                                                                                                           38 GCTCTATAATGATCGATGAAA 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        2 CTCTAGAATGAACGGTGGA 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           7 CTCTAGAGTCAACGCTGGA 25
                                                                                                                                                TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     47.3%;
84.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity 84.2'
Matches 16; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   type: DNA
CORGANISM: Homo sapien
US-10-098-263B-51583
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                RESULT 13
US-10-098-263B-81514/c
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LENGTH: 25
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DB 9; Length 25;

46.7%; Score 14;

Query Match

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Lamparski, Henry
Schuur, Eric
Henderson, Daniel
TITLE OF INVENTION: ADENOVIRUS VECTORS SPECIFIC FOR CELLS
EXPRESSING APHA-FETOPROTEIN AND METHODS OF USE THEREOF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ö
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                        Gaps
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                                                                                                                                                                                                                                  Sequence 105334, Application US/10098263B

Publication No. US20030104410A1

GENERAL INFORMATION:
APPLICANT: Mitthen, Michael
ITILE OF INVENTION: Human Microarray
FILE REFERENCE: 3118.1
CURRENT FILING DATE: 2003-01-08
PRIOR APPLICATION NUMBER: 60/276,759
PRIOR APPLICATION NUMBER: 60/276,759
PRIOR APPLICATION NUMBER: 60/276,759
PRIOR SEQ ID NOS: 131066
NUMBER OF SEQ ID NOS: 131066
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 25;
                        Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        COMPUTER: IBM PC compatible
COMPUTER: IBM PC Compatible
OPERATURG SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NAME: POLIZZI, CATHERINE M.
RRGIGFATION UNDBER: 40,130
REFERENCE/DOCKET NUMBER: 34802-30004.00
TELECOMMUNICATION INFORMATION:
77.3%; Pred. No. 4.1e+03; iive 0; Mismatches 5;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  4.1e+03;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         46.7%; Score 14; DB 9; 77.3%; Pred. No. 4.1e+03
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICATION NUMBER: US/09/898,883
FILING DATE: 02-Jul-2001
CLASSIFICATION: <UNKNOWN>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/033,428
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSEE: WORRISON & FOERSTER
STREET: 755 PAGE MILL ROAD
CITY: PALO ALTO
STATE: CA
COUNTRY: USA
ZIP: 94504-1018
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     4 CTAGAATGAACGGTGGAAGGCG 25
                                                                        23
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Patent No. US20020164799A1
GENERAL INFORMATION:
                                                                                                                    24 CTCTAGAAGGTACGGGTGTAGG 3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: Little, Andrew
  Best Local Similarity 77.39
Matches 17; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Best Local Similarity 77.3
Matches 17; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: DNA
CORGANISM: Homo sapien
US-10-098-263B-105334
                                                                                                                                                                                                                        US-10-098-263B-105334/c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SEQ ID NO 105334
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RESULT 15
US-09-898-883-19
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| TELEPHONE: (415) 813-5600
| TELERAX: (415) 494-0792
| TELERI: 706141 MRSNFOERS SFO
| INFORMATION FOR SEQ ID NO: 19:
| SEQUENCE CHARACTERISTICS:
| TENGRAPHONES: SINGLE |
| TOPOLOGY: linear |
| TOPO
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Search completed: June 25, 2003, 22:25:06 Job time: 92.1952 secs

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(OTASU) MNAJB BDA9 SIHT

Run on:

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21
                                                                                                                                            June 24, 2003, .22:19:40 ; Search time 2545.58 Seconds (without alignments) 296.308 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Pending Patents NA_Main:*

1: /cgn2_6/prodata/2/pna/USO6_COMB.seq:*

2: /cgn2_6/prodata/2/pna/USO6_COMB.seq:*

4: /cgn2_6/prodata/2/pna/USO8_COMB.seq:*

5: /cgn2_6/prodata/2/pna/USO8_COMB.seq:*

6: /cgn2_6/prodata/2/pna/USO8_COMB.seq:*

7: /cgn2_6/prodata/2/pna/USO8_COMB.seq:*

6: /cgn2_6/prodata/2/pna/USO8_COMB.seq:*

7: /cgn2_6/prodata/2/pna/USO8_COMB.seq:*

10: /cgn2_6/prodata/2/pna/USO8_COMB.seq:*

11: /cgn2_6/prodata/2/pna/USO8_COMB.seq:*

12: /cgn2_6/prodata/2/pna/USO8_COMB.seq:*

13: /cgn2_6/prodata/2/pna/USO8_COMB.seq:*

14: /cgn2_6/prodata/2/pna/USO8_COMB.seq:*

15: /cgn2_6/prodata/2/pna/USO8_COMB.seq:*

16: /cgn2_6/prodata/2/pna/USO8_COMB.seq:*

16: /cgn2_6/prodata/2/pna/USO8_COMB.seq:*

17: /cgn2_6/prodata/2/pna/USO8_COMB.seq:*

18: /cgn2_6/prodata/2/pna/USO8_COMB.seq:*

19: /cgn2_6/prodata/2/pna/USO8_COMB.seq:*

10: /c
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GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.
                                                                                                                                                                                                                                                                                                                                                                                                                            24791104 segs, 12571243825 residues
                                                                                                                                                                                                                                                                                                   GCTCTAGAATGAACGGTGGAAGGCGGCAGG 30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Post-processing: Minimum Match 08
Maximum Match 1008
Listing first 45 summaries
                                                                                               nucleic'search, using sw model
                                                                                                                                                                                                                                                                                                                                                     IDENTITY NUC
Gapop 10.0 , Gapext 1.0
                                                                                                                                                                                                                                              US-08-770-564A-8
30
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                                                                                                                                                                                                                                                   Title:
Perfect score:
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                                                                                               OM nucleic
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COMB.seq:*
ptodata/2/pna/US6004_COMB.seq:*
ptodata/2/pna/US6005_COMB.seq:*
ptodata/2/pna/US6006_COMB.seq:*
                                                        todata/2/pna/US6007_COMB.seq:*
todata/2/pna/US6008_COMB.seq:*
todata/2/pna/US6009_COMB.seq:*
                                                                                                                                                                                                                                                                                                                                                                                                                              COMB. seq: *
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                                                                                                                                                                                                                                                                                                                                              COMB. seq: *
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6/ptodata/2/pna/US6017_COMB_se
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6/ptodata/2/pna/US6019_COMB_se
6/ptodata/2/pna/US6020_COMB_se
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/ptodata/2/pna/US6013_CC/
/ptodata/2/pna/US6014_CC/
/ptodata/2/pna/US6014_CC/
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                                                          ptodata/2/pna/US6007
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ptodata/2/pna/US6022
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES	Description	PCT_11397_27419_8	() () () () () () () () () ()	sednence 2, A	US-08-770-564A-8 Sequence 8, Appl:	US-09-540-119B-10 Sequence 10, Appl	US-09-717-828A-5 Sequence 5, Ap	US-09-717-828B-5 Sequence 5, Appl.	US-09-717-829A-5 Sequence 5, Appli	US-09-903-461-2 Sequence 2, Appl	56,	US-09-250-336A-4 Seguence 4, Ap	US-09-642-177-4 Seguence 4, Ap	PCT-US96-14679-27. Sequence 27, Ap	PCT-US96-14679A-27 Sequence 27, Appl	PCT-US99-03302-4 Sequence 4, App	PCT-US99-07533-4 Sequence 4, App	4,	JS-08-272-102-23 Sequence 23, Ap	JS-08-387-524-19 Sequence 19, App]	JS-08-472-802A-24 Sequence 24, Appl	JS-08-472-802B-24 Sequence 24, App.	23
SUMM	q	;		C-80-50	1 US-08-	_	_	_			PCT-US9	16 US-09-	5 US-09-	PCT-US9	PCT-US9	PCT-US9	PCT-US9	PCT-US9	US-08-2	US-08-3	US-08-4	US-08-4	US-08-4
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	% Query Match	9	0 0	700.0	100.0	100.0	100.0	100.0	100.0	100.0	76.7	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
	Score	0.6		3	30	30	30	30	30	30	23	22	22	22	22	22	22	22	22	22	22	22	22
	Result No.	-	1 6	7	m	4	Ŋ	9	7	80	σı	10	11	12	13	14	15	16	17	18	19	20	21

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STRANDEDNESS
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US-08-510-736-5
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                                                                                                                                    Sequence 45, App. Sequence 598, App Sequence 598, App
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                                                                                                                                                                                                                                                                                                        Seguence 9, Appli
                                                                                        Seguence 598
Seguence 23,
Seguence 2,
            Sequence 41,
Sequence 23,
Sequence 23,
                                                Sequence 23,
Sequence 312
Sequence 17,
Sequence 19,
                                                                                                                                Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT:
TITLE OF INVENTION: Methods for Detecting and Inhibiting the TITLE OF INVENTION: RNA Component of Telomerase
TITLE OF INVENTION: RNA Component of Telomerase
TOWNER OF SEQUENCES: 29
CORRESPONDENCE ADDRESS:
ADDRESSE: Townsend and Townsend and Crew LLP
STREET: Two Enhancedero Center, Righth Floor
CITY: San Francisco
CITY: Can Francisco
STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ZIP: 94111-3834

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US97/23619
FILING DATE: NOT yet assigned
CLASSIFICATION:
                    US-08-660-678-23
US-08-911-312-23
US-08-911-312-23
US-08-912-951-312
US-08-973-589-17
US-08-974-549-598
US-09-207-351-23
US-09-207-351-23
US-09-259-943-45
US-09-402-1818-598
US-09-403-503-598
US-09-403-503-598
US-09-403-503-598
US-09-890-567-9
                                                                                                                                                                                                                                                                                            PCT-US97-23619-9
US-08-770-564A-9
US-08-520-550-19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/770,564
APPLICATION NUMBER: US 08/770,564
FILING DATE: 20-DEC-1996
FILING DATE: 20-DEC-1996
APTLING DATE: 20-DEC-1996
ATTORNEY AGENT INFORMATION:
NAME: Storella, John R.
REJESTRATION NUMBER: 12,894
REFERENCE/DOCKET NUMBER: 12,899-27PC
TELECOMUNICATION INFORMATION:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 8, Application PC/TUS9723619
GENERAL INFORMATION:
APPLICANT:
STATE: C.
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PCT-US97-23619-8
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                                                                                                                                                                                                                                                                  100.0%; Score 30; DB 1; Length 30; 100.0%; Pred. No. 0.011; tive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: Atkinson III, Edward M.
APPLICANT: Atkinson III, Edward M.
APPLICANT: Atkinson III, Edward M.
APPLICANT: Lichtsteiner, Serge
APPLICANT: Vasserot, Alain F.
APPLICANT: Purzan, Ronald A.
TITLE OF INVENTION: Methods for Purifying Telomerase
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew
STREET: One Market Plaza, Steuart Tower, Suite 2000
CITY: San Francisco
STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
SOFTWARE: Patentin Release #1.0, Version #1.25
CURSTITION NUMBER: US/08/510,736
FILING DATE: 04-AUG-1995
CLASSIFICATION NUMBER: US/08/510,736
ATTORNEY/AGENT INFORMATION:
NAME: Smith, William M.
REGISTRATION NUMBER: 30,223
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 GCTCTAGAATGAACGGTGGAAGGCGGCAGG 30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 GCTCTAGAATGAACGGTGGAAGGCGGCAGG 30
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                                                                                                                                                      Sequence 5, Application US/08510736 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            REFERENCE/DOCKET NUMBER: 01
TELECOMMUNICATION:
TELEPHONE: 415-326-2400
Jubase pairs uncleic acid STRANDEDNESS: single TOPOLOGY: linear MOLECULE TYPE: DNP NOTE NATE:
                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity, 100.0
Matches 30; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match 100.
Best Local Similarity 100.
Matches 30; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TELEFAX: 415-326-2422
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           LENGTH: 30 base pairs
TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TOPOLOGY: linear;
MOLECULE TYPE: DNA
US-08-510-736-5
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OTHER INFORMATION: Biotin 5'-terminal
OTHER INFORMATION: Description of Artificial Sequence: Affinity Agent
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 30;
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GENERAL INFORMATION:

APPLICANT: Waintich, Scott L
APPLICANT: Atkinson III, Edward M
APPLICANT: Lichtsteiner, Serge P
APPLICANT: Vasserot, Allain P
APPLICANT: Vasserot, Allain P
APPLICANT: PurifiedTelomeraseOllbase
FILE REFERENCE: PurifiedTelomeraseOllbase
CURRENT PILING DATE: 2000-11-20
PRIOR APPLICATION NUMBER: 09/420,056
PRIOR APPLICATION NUMBER: 09/420,056
PRIOR APPLICATION NUMBER: 09/420,056
PRIOR APPLICATION NUMBER: 09/420,056
PRIOR FILING DATE: 1997-04-04
PRIOR FILING DATE: 1997-04-04
PRIOR FILING DATE: 1995-08-04
NUMBER OF SEQ ID NOS: 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
100.0%; Score 30; DB 28;
Best Local Similarity 100.0%; Pred. No. 0.011;
Matches 30; Conservative 0; Mismatches 0;
                                                                                                                                                             GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Weinrich, Scott L
APPLICANT: Atkinson III, Edward M
APPLICANT: Atkinson III, Edward M
APPLICANT: Ausseroch, Allain P
APPLICANT: Vasseroch, Allain P
APPLICANT: Pruzan, Ronald A
ITILE OF INVENTION: Purified Telomerase
FILE REFERENCE: Purified Telomerase
CURRENT APPLICATION NUMBER: US/09/11/828A
CURRENT APPLICATION NUMBER: 09/420, 056
PRIOR FILING DATE: 1999-10-18
PRIOR FILING DATE: 1999-10-18
PRIOR FILING DATE: 1999-04
PRIOR PILING DATE: 1995-04
PRIOR PILING DATE: 1995-04
SOFTWARE: PALECATION NUMBER: 08/510, 736
PRIOR FILING DATE: 1995-04
NUMBER OF SEQ ID NOS: 11
LENGTH: 30
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ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: DNA
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NAME/KEY: misc_feature
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US-09-717-828A-5
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LENGTH: 30
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100.0%; Score 30; DB 21; Length 30;
Best Local Similarity 100.0%; Pred. No. 0.011;
Matches 30; Conservative 0; Mismatches 0; Indels 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ö
                                                             APPLICANT: Kealey, James T.
APPLICANT: Fealey, James T.
APPLICANT: Pruzan, Ron
TITLE OWNENTION: Inhibitory Polynucleotides Directed
TITLE OF INVENTION: Against the RNA Component of Telomerase
NUMBER OF SEQUENCES: 15
CORRESPONDENCE ADDRESS:
ADDRESSE: TOWNSEND and TOWNSEND and CREW LLP
STREET: Two Embarcadero Center, 8th Floor
CITY: San Francisco
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
100.0%; Score 30; DB 11; Length 30;
Best Local Similarity 100.0%; Pred. No. 0.011;
Matches 30; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Gryaznov, Sergei
APPLICANT: Pruzan, Ronald
APPLICANT: Pruzan, Ronald
APPLICANT: Weinrich, Scott
IITLE OF INVENTION: Pelomerase Inhibitor Polynucleotides
FILE REFERRNCE: 029/001
CURRENT APPLICATION NUMBER: US/09/540,1198
CURRENT FILING DATE: 2000-03-31
                                                                                                                                                                                                                                                                                                                                                                       COMPUTER READABLE FORM:
MEDIUM TYPE: Ploppy disk
COMPUTER: Ploppy disk
COMPUTER: Ploppy disk
COMPUTER: TEM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/770,564A
FILING DATE: 20-DEC-1996
CLASSIFICATION: 514
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ATTORNEY AGENT INFORMATION:
NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 015389-002200US
TELEPHONE: 415-576-0200
TELEPHONE: 415-576-0300
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 30 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 GCTCTAGAATGAACGGTGGAAGGCGGCAGG 30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-09-540-119B-10
; Sequence 10, Application US/09540119B
; GENERAL INFORMATION:
             Sequence 8, Application US/08770564A GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NUMBER OF SEQ ID NOS: 25
SOFTWARE: Patentin version 3.1
SEQ ID NO 10
LENGTH: 30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: DNA
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TOPOLOGY: linear MOLECULE TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                       USA
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                                                                                                                                                                                                                                                                                                                                                       COUNTRY:
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Gaps

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; Score 30; DB 34; Length 30; pred. No. 0.011; 0; Mismatches 0; Indels

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1 GCTCTAGAATGAACGGTGGAAGGCGGCAGG 30
                                                                                                                                                                                                                           1 GCTCTAGAATGAACGGTGGAAGGCGGCAGG 30
              ) OTHER INFORMATION: synthetic oligomer US-09-903-461-2
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                                                                                    Query Match
Best Local Similarity 100.0%;
Matches 30; Conservative 0
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APPLICANT
FEATURE:
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| Sequence 2. Application US/09903461
| GENERAL INFORMATION:
| APPLICANT: Letsinger, Robert L.
| APPLICANT: Garimella, Viswanadham
| TILLE OF INVENTION: Method of Detection by Enhancement of Silver Staining
| FILE REFERENCE: 00-1086-A
| CURRENT APPLICATION NUMBER: US/09/903,461
| PRIOR APPLICATION NUMBER: 60/217,782
| PRIOR FILING DATE: 2000-07-11
                                                                                                                                                                 Gaps
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                                                                                                                 Length 30;
                                                                                                                                                                   Indels
                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Weinrich, Scott L
APPLICANT: Meinrich, Scott L
APPLICANT: Atkinson III, Edward M
APPLICANT: Lichtsteiner, Serge P
APPLICANT: Lichtsteiner, Serge P
APPLICANT: Lichtsteiner, Serge P
APPLICANT: Pruzan, Ronald A
TITLE OF INVENTION: A Method for Purifying Telomerase
CURRENT PPLICATION NUMBER: US/09/717,829A
CURRENT APPLICATION NUMBER: 09/420,056
PRIOR APPLICATION NUMBER: 09/420,056
PRIOR APPLICATION NUMBER: 08/510,736
PRIOR FILING DATE: 1999-04-04
PRIOR FILING DATE: 1999-04-04
PRIOR FILING DATE: 1997-04-04
PRIOR FILING DATE: 1995-08-04
NUMBER: OF SEQ ID NOS: 11
SOFTWARE: Patentin Ver. 2.1 edited
                                                                                                                     DB 28;
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100.0%; Score 30; DE
Best Local Similarity 100.0%; Pred. No. 0.0
Matches 30; Conservative 0; Mismatches
                                                                                                                                                                                                              1 GCTCTAGAATGAACGGTGGAAGGCGGCAGG 30
                                                                                                                                                                                                                                         1 GCTCTAGAATGAACGGTGGAAGGCGGCAGG 30
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ORGANISM: Artificial Sequence
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SOFTWARE: Microsoft Word 98.
SEQ ID NO 2
LENGTH: 30
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LENGTH: 30
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                                                                                                                                                                 Methods for Detecting and Inhibiting the RNA Component of Telomerase
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                                                                                                                                                                                                                                                                                                                                                                   ZIP: 9411-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US97/23619
FILING DATE: NOt yet assigned
CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NAME/KEY: -
1. LOCATION: 1..27
OTHER INFORMATION: /note= "hTR reverse primer"
PCT-US97-23619-26
                                                                                                                                                                                                                                                             E: Townsend and Townsend and Crew LLP
Two Embarcadero Center, Eighth Floor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           76.7%; Score 23; DB 1;
100.0%; Pred. No. 13;
tive 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/770,564
FILING DATE: 20-DEC-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/770,565
FILING DATE: 20-DEC-1996
ATTORNEY/AGENT INFORMATION:
Sequence 26, Application PC/TUS9723619 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         REGISTRATION NUMBER: 32,944
REGISTRATION NUMBER: 32,944
REFERENCE/POCKET NUMBER: 1538
TELECOMMUNICATION INFORMATION:
TELEPRAN: (415) 576-0200
INFORMATION FOR SEQ ID NO: 26:
SEQUENCE CHARACTERISTICS:
LENGTH: 27 base pairs
                                                                                                                                                                                                                    NUMBER OF SEQUENCES: 29
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and
                                                                                                                                                                                                                                                                             STREET: TWO BULLOCITY: San Francisco
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                           TITLE OF INVENTION:
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Best Local Similarity
Matches 23; Conserv
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Sequence 27, Application PC/TUS9614679
GENERAL INFORMATION:
APPLICANT: VILLEPONTEAU, BRYANT
APPLICANT: FENG, JUNLI
APPLICANT: ANDREWS, WILLIAM H.
APPLICANT: ADAMS, ROBERT R.
TITLE OF INVENTION: METHODS AND REAGENTS FOR REGULATING
TITLE OF INVENTION: TELOMERE LENGTH AND TELOMERASE ACTIVITY
NUMBER OF SEQUENCES:
ADDRESSE: GERON CORPORATION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TITLE OF INVENTION: METHODS AND REAGENTS FOR REGULATING TITLE OF INVENTION: TELOMERE LENGTH AND TELOMERASE ACTIVITY NUMBER OF SEQUENCES: 27 CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               73.3%; Score 22; DB 1; Length 26; 100.0%; Pred. No. 35; cive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CUNTRY: CALIFORNIA

COUNTRY: U.S.A.

ZITE: 94025

ZIP: 94025

COMPUTER READABLE FORM:
MEDIUM TYPE: Ploppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PATEMIT Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US96/14679
FILING DATE: 13-SEP-1996
CLASSITCATION:
ATTORNEY/AGRRT INFORMATION:
NAME: KASTER ESQ., KEVIN R.
REGISTRATION NUMBER: 32,704
REFERENCE/DOCKET NUMBER: 012/045PCT
TELECOMMUNICATION INFORMATION:
met BOUNDAMICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 27, Application PC/TUS9614679A GENERAL INFORMATION: APPLICANT: VILLEPONTEAU, BRYANT APPLICANT: APPLICANT: ADAMS, ROBERT R.
4 GCTCTAGAATGAACGGTGGAAG 25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 GCTCTAGAATGAACGGTGGAAG 22
                                                                                                                                                                                                                                                                                                                                                                                                   ADDRESSEE: GERON CORPORATION
STREET: 200 CONSTITUTION DRIVE
CITY: MENLO PARK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADDRESSEE: GERON CORPORATION
STREET: 200 CONSTITUTION DRIVE
CITY: MENLO PARK
STATE: CALIFORNIA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ; MOLECULE TYPE: DNA (genomic)
PCT-US96-14679-27
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (415) 473-7779
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TELEFAX: (415)473-7750 INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match 100.C
Best Local Similarity 100.C
Marches 22; Conservative
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LENGTH: 26 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              linear
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PCT-US96-14679A-27
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                                                                                                                                                                                       APPLICANT: STROWEL, Jeffrey W.
APPLICANT: STROWEL, Judith
APPLICANT: STROWEL, Judith
APPLICANT: HIGHSWITH, Edward
APPLICANT: HIGHSWITH, Edward

TITLE OF INVENTION: TELOMERASE ASSAY OF BODY FLUIDS FOR CANCER SCREENING
TITLE OF INVENTION: AND ASSESSMENT OF DISEASE STAGE AND PROGNOSIS
TITLE OF INVENTION: AND ASSESSMENT OF DISEASE STAGE AND PROGNOSIS
FILE REPERENCE: 10460-4 (210460.0004)
CURRENT APPLICATION NUMBER: US 60/074,793
PRIOR PILING DATE: 1999-02-16
PRIOR FILING DATE: 1999-02-16
NUMBER OF SEQ ID NOS: 4
SOFTWARE: PATENTIN VET: 2.1
SEQ ID NO 4
LENGTH: 25
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ; OTHER INFORMATION: Description of Artificial Sequence:R3c, Primer US-09-250-336A-4
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match 73.3%; Score 22; DB 16; Length 25; Best Local Similarity 100.0%; Pred. No. 34; Matches 22; Conservative 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: STROVEL, Jeffrey W.
APPLICANT: STRABERG, Judith
APPLICANT: STAMBERG, Judith
APPLICANT: ABRUZZO, Lynne V.
APPLICANT: HIGHSMITH, Edward
TITLE OF INVENTION: TELCMERAES ASSAY OF BODY FLUIDS
FILE REPERENCE: 10460-401 (210460.0019)
CURRENT APPLICATION NUMBER: US/09/642,177
CURRENT FILING DATE: 2000-08-18
PRIOR APPLICATION NUMBER: US 60/074,793
PRIOR APPLICATION NUMBER: US 09/250,336
PRIOR APPLICATION NUMBER: US 09/250,336
PRIOR APPLICATION NUMBER: PCT/US99/03302
PRIOR APPLICATION NUMBER: PCT/US99/03302
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                                                                                                                                             Sequence 4, Application US/09250336A GENERAL INFORMATION:
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ORGANISM: Artificial Sequence
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SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 125
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Best Local Similarity 100.0
Matches 22; Conservative
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ORGANISM: Unknown Organism
                                                                                                                     US-09-250-336A-4
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Search completed: June 25, 2003, 06:20:26
Job time : 2547.19 secs
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APPLICANT: Strovel, Judith
APPLICANT: Stramberg, Judith
APPLICANT: Abruzzo, Lynne V
APPLICANT: Highmenth, Edward
TITLE OF INVENTION: The Telemerase Assay of Body Fluids for Cancer Screening
TITLE OF INVENTION: The Control and Assessment of Disease Stage and Prognosis
TITLE OF INVENTION: and Assessment of Disease Stage and Prognosis
CURRENT APPLICATION NUMBER: 2077/US99/03302
CURRENT APPLICATION NUMBER: 60/074,793
EARLIER PRILING DATE: 1998-02-16
NUMBER OF SEQ ID NOS: 4
SOFTWARE: PATENTING DATE: 1998-02-16
NUMBER OF SEQ ID NOS: 4
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; OTHER INFORMATION: Description of Artificial Sequence: R3c,
; OTHER INFORMATION: synthesized, Gibco-BRL
PCT-US99-03302-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        DB 1; Length 26; 35;
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               COMPUTER: REALABLE FORD

COMPUTER: IBM PC compatible

COMPUTER: IBM PC compatible

COMPUTER: IBM PC compatible

COMPUTER: IBM PC compatible

COMPUTER: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION NUMBER:

APPLICATION NUMBER: PCT/US96/14679A

FILING DATE: 13-SEP-1996

CLASSIFICATION:

ATTORNEY/AGENT INFORMATION:

NAME: KASTER ESQ., KEVIN R.

REGISTRATION NUMBER: 32,704

REGISTRATION NUMBER: 012/045PCT

TELEPHONE: (415) 473-779

TELEPHONE: (415) 473-779

TELEPAK: (415) 473-775

INPORMATION FOR SEQ ID NO: 27:

SEQUENCE CHARACTERISTICS:

LENGTH: 26 base pairs

TTELEPAK: (415) 473-775

INPORMATION FOR SEQ ID NO: 27:

SEQUENT: 26 base pairs

TTELEPAK: (415) 473-775

TELEPAK: (415) 473-775
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0; Mismatches
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Pred. No.
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Best Local Similarity 100.0%; P
Matches 22; Conservative 0;
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; MOLECULE TYPE: DNA (genomic)
PCT-US96-14679A-27
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COMPUTER READABLE FORM: MEDIUM TYPE: Floppy
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RESULT 15 PCT-US99-07533-4 ; Sequence 4, Application PC/TUS9907533

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APPLICANT: THE JOHNS HOPKINS UNIVERSITY SCHOOL OF MEDICINE TITLE OF INVENTION: TELOMERASE-ASSOCIATED PROTEINS FILE REFERENCE: 07265/157W01
CURRENT APPLICATION NUMBER: PCT/US99/07533
CURRENT APPLICATION NUMBER: PCT/US99/07533
CURRENT APPLICATION NUMBER: 60/086, 783
EARLIER PILING DATE: 1998-04-06
NUMBER OF SEQ ID NOS: 15
SOFTWARE: FastSEQ for Windows Version 3.0
IENGTH: 26
                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 26;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 GCTCTAGAATGAACGGTGGAAG 22
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us-08-770-564a-8.rnpn

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June 25, 2003, 13:28:55 ; Search time 716.653 Seconds (without alignments) 292.710 Million cell updates/sec
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Sequence 5, Al
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Sequence 529,
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1: (cgn2_6/ptodata/1/pna/US0E_NEW_COMB.seq:*

2: (cgn2_6/ptodata/1/pna/US0E_NEW_COMB.seq:*

3: (cgn2_6/ptodata/1/pna/US0F_NEW_COMB.seq:*

4: (cgn2_6/ptodata/1/pna/US0F_NEW_COMB.seq:*

5: (cgn2_6/ptodata/1/pna/US0F_NEW_COMB.seq:*

6: (cgn2_6/ptodata/1/pna/US0F_NEW_COMB.seq:*

7: (cgn2_6/ptodata/1/pna/US0F_NEW_COMB.seq:*

8: (cgn2_6/ptodata/1/pna/US10_NEW_COMB.seq2:*

9: (cgn2_6/ptodata/1/pna/US10_NEW_COMB.seq2:*

10: (cgn2_6/ptodata/1/pna/US10_NEW_COMB.seq2:*

11: (cgn2_6/ptodata/1/pna/US10_NEW_COMB.seq2:*

12: (cgn2_6/ptodata/1/pna/US10_NEW_COMB.seq2:*

13: (cgn2_6/ptodata/1/pna/US10_NEW_COMB.seq2:*

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13: (cgn2_6/ptodata/1/pna/US60_NEW_COMB.seq2:*
GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.
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PCT-US03-04088-547
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             7860393 segs, 3496198572 residues
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Maximum Match 100%
Listing first 45 summaries
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Gapop 10.0 , Gapext 1.0
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No.
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Sequence 11988;
Sequence 121065;
Sequence 121066;
Sequence 751222,
Sequence 31, Appl
Sequence 31, Appl
Sequence 31, Appl
Sequence 752297,
Sequence 775298,
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Sequence 881, App
                               Sequence 559, App
Sequence 268, App
Sequence 543, App
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ALIGNMENTS

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Sequence 5, Application US/10330872
; Sequence 5, Application US/10330872
; General Information:
APPLICANT: Geron Corporation
APPLICANT: Atkinson III, Edward
APPLICANT: Atkinson III, Edward
APPLICANT: Asserot, Alain
APPLICANT: Pruzan, Ronald
TITLE OF INVENTION: Unhibitors
INTIE OF INVENTION: Unhibitors
FILE REPERENCE: 011/006C
CURRENT APPLICATION NUMBER: US/10/330,872
CURRENT APPLICATION NUMBER: US/10/336
PRIOR FILING DATE: 1995-08-04
PRIOR FILING DATE: 1995-08-04
PRIOR FILING DATE: 1995-01-18
PRIOR FILING DATE: 1999-10-18
PRIOR PILING DATE: 1990-10-18
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100.0%; Score 30; DB 10;
Best Local Similarity 100.0%; Pred. No. 0.0019;
Matches 30; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          GCTCTAGAATGAACGGTGGAAGGCGGCAGG 30
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US-10-330-872-5
US-10-330-872-5
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RESULT 2 US-10-330-872A-5 ; Sequence 5, Application US/10330872A

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OTHER INFORMATION: Description of Artificial Sequence: Target sequence/sinA sense; OTHER INFORMATION: region PCT-US03-04088-529
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        GENERAL INFORMATION:

APPLICANT: Ribozyme Pharmaccuticals, Inc.

APPLICANT: Ribozyme Pharmaccuticals, Inc.

APPLICANT: Beigelman, James

TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase Gene

TITLE OF INVENTION: Expression Using Short Interfering RNA (siNA)

TITLE OF INVENTION: Expression Using Short Interfering RNA (siNA)

FILE REFERENCE: 02-708-4, 400/080)

CURRENT FILING DATE: 2003-04-28

PRIOR APPLICATION NUMBER: US 60/396,600

PRIOR PILING DATE: 2002-07-17

PRIOR FILING DATE: 2002-00-20

PRIOR FILING DATE: 2002-00-20

PRIOR FILING DATE: 2002-06-06

PRIOR FILING DATE: 2002-06-06

PRIOR FILING DATE: 2002-06-26

PRIOR FILING DATE: 2002-06-26

PRIOR FILING DATE: 2002-06-06

PRIOR FILING DATE: 2002-06-29

PRIOR FILING DATE: 2002-09-05

PRIOR FILING DATE: 2002-09-09

PRIOR FILING DATE: 2002-09-09

PRIOR PLING DATE: 2002-09-09

PRIOR PLING DATE: 2002-09-09

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TITLE OF INVENTION: Human Telomerase Catalytic Subunit
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 23
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                                                                                             DB 1; Length 23;
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                                                                                             16.7%; Score 23; DB ilarity 100.0%; Pred. No. 2.4 Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 529, Application PC/TUS0304088 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 598, Application US/09721456
GENERAL INFORMATION:
APPLICANT: Cech, Thomas R.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NUMBER OF SEQ ID NOS: 626
SOFTWARE: PatentIn version 3.2
SEQ ID NO 529
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OTHER INFORMATION: region
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: RNA
ORGANISM: Artificial
                                                                                                    Query Match
Best Local Similarity
Matches 23; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         RESULT 5
US-09-721-456-598
                         PCT-US03-04088-520
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                                                                                                                                        APPLICANT: Lichtsteiner, Serge
APPLICANT: Useserot, Alain
APPLICANT: Vesserot, Alain
APPLICANT: Vesserot, Alain
APPLICANT: Vesserot, Alain
APPLICANT: Pruzan, Ronald
TITLE OF INVENTION: Using Purified Telomerase to Identify Telomerase Activators and
TITLE OF INVENTION: Unhibitors
TITLE OF INVENTION: Unhibitors
TITLE OF INVENTION: Unhibitors
FILE REPERENCE: 01/06C
CURRENT APPLICATION NUMBER: 08/10/330,872A
CURRENT FILING DATE: 1995-08-04
PRIOR FILING DATE: 1995-08-04
PRIOR FILING DATE: 1997-04-04
PRIOR FILING DATE: 1999-10-18
PRIOR FILING DATE: 1999-10-18
PRIOR FILING DATE: 2000-11-20
NUMBER OF SEQ ID NOS: 11
SOFTWARE: PatentIn version 3.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FRATURE: STHER INFORMATION: Description of Artificial Sequence: Target sequence/sinA sense
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: McSwiggen, James
APPLICANT: Bolgelman, Leonid
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase Gene
TITLE OF INVENTION: Expression Using Short Interfering RNA (siNA)
FILE REFERENCE: 02-708-A (400/080)
CURRENT APPLICATION NUMBER: PCT/US03/04088
CURRENT APPLICATION NUMBER: 2003-04-29
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Pred. No. 0.0019;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0; Mismatches
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PRIOR APPLICATION NUMBER: US 60/396,600
PRIOR FILING DATE: 2002-07-17
PRIOR PILING DATE: 2002-07-17
PRIOR PELING DATE: 2002-0-20
PRIOR APPLICATION NUMBER: US 60/363,124
PRIOR PILING DATE: 2002-03-11
PRIOR APPLICATION NUMBER: US 60/363,782
PRIOR PILING DATE: 2002-06-06
PRIOR PILING DATE: 2002-06-06
PRIOR PILING DATE: 2002-06-05
PRIOR PILING DATE: 2002-06-05
PRIOR PILING DATE: 2002-09-05
PRIOR APPLICATION NUMBER: US 60/409,293
PRIOR PILING DATE: 2002-09-09
PRIOR APPLICATION NUMBER: US 60/409,293
PRIOR PILING DATE: 2002-09-09
PRIOR PILING DATE: 2002-09-09
PRIOR PILING DATE: 2002-09-09
PRIOR PILING DATE: 2002-09-09
PRIOR PILING DATE: 2003-09-09
PRIOR PILING DATE: 2003-09-09
PRIOR PILING DATE: 2003-09-09
PRIOR PILING DATE: 2003-01-15
PRIOR PILING DATE: 2003-01-15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: Ribozyme Pharmaceuticals, Inc.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 520, Application PC/TUS0304088 GENERAL INFORMATION:
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Best Local Similarity 100.0%;
Matches 30; Conservative 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: DNA ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: RNA
ORGANISM: Artificial
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PCT-US03-04088-520/c
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CITY: San Francisco
CITY: San Francisco
CITY: Callifornia

ZIP: 94111-3834

COMPUTER: Callifornia
COUNTRY: USA

CONFUTER: Ploppy disk
COMPUTER: Ploppy disk
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION NUMBER: US/10/325,810
FILING DATE: 20-Dec-2002
CLASSIFICATION NUMBER: US/09/402,181
FILING DATE: 29-Sep-1997
APPLICATION NUMBER: US 08/24,643
FILING DATE: 10-OCT-1996
APPLICATION NUMBER: US 08/844,419
FILING DATE: 10-APR-1997
APPLICATION NUMBER: US 08/845,017
FILING DATE: 10-ARY-1997
APPLICATION NUMBER: US 08/851,843
FILING DATE: 06-MAY-1997
APPLICATION NUMBER: US 08/851,843
FILING DATE: 10-ARY-1997
APPLICATION NUMBER: US 08/851,843
FILING DATE: 06-MAY-1997
APPLICATION NUMBER: US 08/851,843
                                                                                                                                                Harley, Calvin B.
Andrews, William H.
TITLE OF INVENTION: Human Telomerase Catalytic Subunit
NUMBER OF SEQUENCES: 633
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match 73.3%; Score 22; DB 9; Length 26; Best Local Similarity 100.0%; Pred. No. 6.8; Matches 22; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                ADDRESSEE: Townsend and Townsend and Crew LLP STREET: Two Embarcadero Center, Eighth Floor CITY: San Prancisco
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICATION NUMBER: US 08/911,312
FILING DATE: 14-AUG-1997
APPLICATION NUMBER: US 08/912,951
FILING DATE: 14-AUG-1997
APPLICATION NUMBER: US 08/915,503
FILING DATE: 14-AUG-1997
APPLICATION NUMBER: WO PCT/US97/17885
FILING DATE: 01-CCT-1997
ATTORNEY/AGENT INPORMATION:
NAME: AUSERMATION:
REGISTRATION NUMBER: 42,271
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  REFERENCE/DOCKET NUMBER: 015389-002620US TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ); OTHER INFORMATION: /note= "R3c primer"; SEQUENCE DESCRIPTION: SEQ ID NO: 598: US-10-325-810-598
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (415) 576-0200
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                                                                   Nakamura, Toru
Chapman, Karen B.
      APPLICANT: Cech, Thomas R.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          INFORMATION FOR SEQ ID NO: 598
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                                                                                               Chapman,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Indels
                                                                                                                                                                     COMPUTER READABLE PORM:
MEDIUM TYPE: Ploppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/721,456
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    REFERENCE/DOCKET NUMBER: 015389-002610US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ; OTHER INFORMATION: /note= "R3c primer"; SEQUENCE DESCRIPTION: SEQ ID NO: 598:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    FILING DATE: 14-AUG-1997
APPLICATION NUMBER: US 08/915,503
APPLICATION NUMBER: US 08/915,503
APPLICATION NUMBER: WO PCT/US97/17618
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     FILING DATE: 01-OCT-1997
APPLICATION NUMBER: WO PCT/US97/17885
FILING DATE: 01-OCT-1997
                                                                                                                                                                                                                                                                                                                                                                                                      PRIOR DATE: 20-109/721,430
FLING DATE: 20-109/721,430
PRIOR APPLICATION: «Unknown»
PRIOR APPLICATION NATA:
APPLICATION NUMBER: US 08/974,549A
FILING DATE: 19-NOV-1997
APPLICATION NUMBER: US 08/844,419
FILING DATE: 10-OCT-1996
APPLICATION NUMBER: US 08/844,419
FILING DATE: 18-APR-1997
APPLICATION NUMBER: US 08/851,843
FILING DATE: 25-APR-1997
APPLICATION NUMBER: US 08/851,843
FILING DATE: 09-MAY-1997
APPLICATION NUMBER: US 08/911,312
FILING DATE: 09-MAY-1997
APPLICATION NUMBER: US 08/911,312
FILING DATE: 14-AUG-1997
APPLICATION NUMBER: US 08/912,951
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match 73.3%; Score 22; DB Best Local Similarity 100.0%; Pred. No. 6.8 Matches 22; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NAME: Apple, Randolph Ted
REGISTRATION NUMBER: 36,429
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ; Sequence 598, Application US/10325810 ; GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ATTORNEY/AGENT INFORMATION:
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TOPOLOGY: linear
MOLECULE TYPE: DNA
FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               INFORMATION FOR SEQ ID NO: 598
                                                                                      CITY: San Francisco
STATE: California
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SEQUENCE CHARACTERISTICS
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Sequence 587, Application PC/TUS0304088

GENERAL INFORMATION:

APPLICANT: Ribozyme Pharmaceuticals, Inc.

APPLICANT: Beigelman, Leonid

TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase Gene

TITLE OF INVENTION: Expression Using Short Interfering RNA (SINA)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ö
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COMPUTER RADABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
FILING DATE: 07-Peb-2003
CLASSIPICATION: 435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 26,
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                                                                                                                                                                                                                                                            ADDRESSEE: Townsend and Townsend and Crew LLP STREET: Two Embarcadero Center, Eighth Floor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    FILING DATE: 27-OCT-1994
PILICATION NUMBER: US 08/472,802
FILING DATE: 07-JUN-1995
ATTORNEY/AGENT INFORMATION:
NAME: SCOTELLA, JOHN R.
REGISTRATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 015389-000821US
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 DB 9;
                                                                                                                 Feng, Junli
Funk, Walter
Andrews, William H.
TITLE OF INVENTION: Mammalian Telomerase
NUMBER OF SEQUENCES: 42
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/057,351
FILING DATE: 08-2PR-1994
APPLICATION NUMBER: US 08/272,102
FILING DATE: 07-UUL-1994
APPLICATION NUMBER: US 08/330,123
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            MOLECULE TYPE: DNA
SEQUENCE DESCRIPTION: SEQ ID NO: 23:
US-10-359-935-23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match 73.3%; Score 22; Best Local Similarity 100.0%; Pred. No. Matches 22; Conservative 0; Mismatcl
                                      Sequence 23, Application US/10359935
GENERAL INFORMATION:
APPLICANT: Villeponteau, Bryant
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               5 GCTCTAGAATGAACGGTGGAAG 26
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TELEFAX: (415) 576-0300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SEQUENCE CHARACTERISTICS:
LENGTH: 26 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      INFORMATION FOR SEQ ID NO: 23
                                                                                                                                                                                                                                                                                                                CITY: San Francisco
STATE: California
COUNTRY: USA
                    US-10-359-935-23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            RESULT 8
RESULT 7
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; OTHER INFORMATION: Description of Artificial Sequence: Target sequence/sinA sense; OTHER INFORMATION: region
PCT-US03-04088-587
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APPLICANT: Ribozyme Pharmaceuticals, Inc.

APPLICANT: Ribozyme Pharmaceuticals, Inc.

APPLICANT: Beigelman, James

TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase Gene

TITLE OF INVENTION: Expression Using Short Interfering RNA (siNA)

TITLE OF INVENTION: Expression Using Short Interfering RNA (siNA)

FILE REFERENCE: 02-708-4, 400/080)

CURRENT FILING DATE: 2003-04-28

PRIOR APPLICATION NUMBER: US 60/396,600

PRIOR FILING DATE: 2002-00-20

PRIOR FILING DATE: 2002-00-20

PRIOR FILING DATE: 2002-00-20

PRIOR FILING DATE: 2002-00-31

PRIOR FILING DATE: 2002-00-31

PRIOR FILING DATE: 2002-06-06

PRIOR FILING DATE: 2002-06-06

PRIOR FILING DATE: 2002-06-06

PRIOR FILING DATE: 2002-06-06

PRIOR FILING DATE: 2002-09-09

PRIOR PRILING DATE: 2002-09-09
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Pred. No. 19;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Mismatches
                                                       PRIOR APPLICATION NUMBER: US 60/396,600
PRIOR APPLICATION NUMBER: US 60/356,600
PRIOR APPLICATION NUMBER: US 60/358,580
PRIOR FILING DATE: 2002-02-10
PRIOR PILING DATE: 2002-03-11
PRIOR FILING DATE: 2002-03-11
PRIOR FILING DATE: 2002-06-66
PRIOR FILING DATE: 2002-06-66
PRIOR FILING DATE: 2002-06-06
PRIOR FILING DATE: 2002-06-05
PRIOR FILING DATE: 2002-09-05
PRIOR PLING DATE: 2002-09-09
PRIOR FILING DATE: 2002-09-09
PRIOR PRIOR DATE: 2002-09-09
PRIOR PRIOR DATE: 2002-09-09
PRIOR FILING DATE: 2002-09-09
US03/04088
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PCT-US03-04088-521/c
; Sequence 521, Application PC/TUS0304088
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     9 ATGAACGGTGGAAGGCGCAG 29
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Best Local Similarity 100.0%; P:
Matches 21; Conservative 0;
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SEQ ID NO 587
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ORGANISM: Artificial
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NUMBER OF SEQ ID NOS: 626 SOFTWARE: PatentIn version 3.2

TYPE: RNA ORGANISM: Artificial

SEQ ID NO 521

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9 ATGAACGGTGGAAGGCGGC 27
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SOFTWARE: PatentIn version 3.2
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Best Local Similarity
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LENGTH: 19
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OTHER INFORMATION: Description of Artificial Sequence: Target sequence/sina sense; OTHER INFORMATION: region
PCT-US03-04088-521
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APPLICANT: Hostgron, James
APPLICANT: McSwiggen, James
APPLICANT: McSwiggen, James
APPLICANT: McSwiggen, James
APPLICANT: Beigelman, Leonid
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase Gene
TITLE OF INVENTION: Expression Using Short Interfering RNA (sinh.)
TITLE OF INVENTION: Expression Using Short Interfering RNA (sinh.)
TITLE OF INVENTION: Expression Using Short Interfering RNA (sinh.)
TITLE OF INVENTION: Expression Using Short
TITLE OF INVENTION: Expression Using Short
FRICA APPLICATION NUMBER: US 60/396,600
FRICA APPLICATION NUMBER: US 60/386,782
FRICA FILING DATE: 2002-03-01
FRICA APPLICATION NUMBER: US 60/363,124
FRICA FILING DATE: 2002-03-01
FRICA APPLICATION NUMBER: US 60/406,784
FRICA APPLICATION NUMBER: US 60/406,784
FRICA APPLICATION NUMBER: US 60/406,784
FRICA APPLICATION NUMBER: US 60/409,293
FRICA APPLICATION NUMBER: US 60/409,293
FRICA APPLICATION NUMBER: US 60/400,129
FRICA APPLICATION NUMB
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PCT-US03-04088-592
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GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Michozyme Pharmaceuticals, Inc.
APPLICANT: Beigelman, Leonid
APPLICANT: Beigelman, Leonid
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase Gene
TITLE OF INVENTION: Expression Using Short Interfering RNA (siNA)
FILE REPERENCE: 02-708-A (400/080)
CURRENT APPLICATION NUMBER: PCT/US03/04088
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19;
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                                                                                                                                               Query Match 70.0%; Score 21; DB Best Local Similarity 100.0%; Pred. No. 19; Matches 21; Conservative 0; Mismatches
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66.7%; Score 20;
Best Local Similarity 95.0%; Pred. No. 3
Matches 19; Conservative 1; Mismatcl
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 592, Application PC/TUS0304088 GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                    21 GCTCTAGAATGAACGGTGGAA 1
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TYPE: RNA
ORGANISM: Artificial
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Target sequence/siNA sense
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APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Rowiggen, James
APPLICANT: McSwiggen, James
APPLICANT: McSwiggen, James
APPLICANT: Bedgelman, Leonid
TTILE OF INVENTION: Expression Using Short Interfering RNA (siNA)
TITLE OF INVENTION: Expression Using Short Interfering RNA (siNA)
FILE REFERENCE: 02-708-A (400/080)
FILE REFERENCE: 02-708-A (400/080)
FILE REFERENCE: 02-708-A (400/080)
FILE REFERENCE: 02-03-00-01-7
FRIOR APPLICATION NUMBER: US 60/359,580
FRIOR FILING DATE: 2002-03-11
FRIOR FILING DATE: 2002-03-11
FRIOR FILING DATE: 2002-03-11
FRIOR APPLICATION NUMBER: US 60/406,784
FRIOR FILING DATE: 2002-09-09
FRIOR FILING DATE: 2003-01-15
FRIOR FILING DATE: 2003-01-15
FRIOR FILING DATE: 2003-01-15
FRIOR FILING DATE: 2003-01-15
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       OTHER INFORMATION: Description of Artificial Sequence: OTHER INFORMATION: region
PRIOR APPLICATION NUMBER: US 60/396,600
PRIOR FILING DATE: 2002-07-17
PRIOR APPLICATION NUMBER: US 60/356,580
PRIOR PILING DATE: 2002-02-20
PRIOR PILING DATE: 2002-03-11
PRIOR PLILOR DATE: 2002-06-06
PRIOR PPLICATION NUMBER: US 60/386,782
PRIOR PLING DATE: 2002-06-06
PRIOR PLING DATE: 2002-06-06
PRIOR PLING DATE: 2002-09-05
PRIOR PLILOR DATE: 2002-09-05
PRIOR PPLICATION NUMBER: US 60/409,784
PRIOR PRICATION NUMBER: US 60/409,293
PRIOR PLING DATE: 2002-09-09
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PCT-US03-04088-257/c
; Sequence 257, Application PC/TUS0304088
; GENERAL INFORMATION:
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Query Match
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Sequence 538, Application PC/TUS0304088
GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Ribosyme Pharmaceuticals, Inc.
APPLICANT: Beigelman, Leonid
APPLICANT: Beigelman, Leonid
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase Gene
TITLE OF INVENTION: Expression Using Short Interfering RNA (siNA)
FILE REFERENCE: 02-708-4 (400/080)
CURRENT APPLICATION NUMBER: PCT/US03/04088
CURRENT FILING DATE:
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PCT-US03-04088-278
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                                          Ouery Match 63.3%; Score 19; DB 1; Length 19; Best Local Similarity 100.0%; Pred. No. 1.40+02; Matches 19; Conservative 0; Mismatches 0; Indels
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APPLICANT: McSwiggen, James
APPLICANT: Beigelman, Leonid
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                                                                                                                                                                                                                      Sequence 278, Application PC/TUS0304088
GENERAL INFORMATION:
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                                                                                                               11 GAACGGTGGAAGGCGGCAG 29
                                                                                                                                 19 GAACGGTGGAAGGCGGCAG 1
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OTHER INFORMATION: region
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ORGANISM: Artificial
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Matches 17; Conserv
        ; Other PCT-US03-04088-257
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FULLOSGUENCE 539, Application PC/TUS0304088

GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaccuticals, Inc.
APPLICANT: Beigelman, Leonid
TITLE OF INVENTION: Estephan, Leonid
TITLE OF INVENTION: Expression Using Short Interfering RNA (siNA)
FILE OF INVENTION: Expression Using Short Interfering RNA (siNA)
FILE OF INVENTION: Expression Using Short Interfering RNA (siNA)
FILE OF INVENTION: Expression Using Short Interfering RNA (siNA)
FILE OF INVENTION: Expression Using Short Interfering RNA (siNA)
FILE OF INVENTION: Expression Using Short Interfering RNA (siNA)
FILE OF INVENTION NUMBER: DCJ (203
FRIOR PELLORION NUMBER: US 60/396,600
FRIOR FILING DATE: 2002-07-17
FRIOR PELLORION NUMBER: US 60/386,782
FRIOR FILING DATE: 2002-06-06
FRIOR FILING DATE: 2002-06-06
FRIOR FILING DATE: 2002-06-06
FRIOR FILING DATE: 2002-09-05
FRIOR FILING DATE: 2002-09-05
FRIOR FILING DATE: 2002-09-09
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Pred. No. 1.5e+02;
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// OTHER INFORMATION: n stands for thymidine
PCT-US03-04088-538
                                                          PRIOR FILING DATE: 2002-02-20
PRIOR FILING DATE: 2002-03-11
PRIOR PELICATION NUMBER: US 60/363,124
PRIOR FILING DATE: 2002-03-11
PRIOR APPLICATION NUMBER: US 60/406,784
PRIOR FILING DATE: 2002-06-05
PRIOR FILING DATE: 2002-08-29
PRIOR FILING DATE: 2002-09-05
PRIOR FILING DATE: 2002-09-05
PRIOR PILING DATE: 2002-09-09
PRIOR PILING DATE: 2002-09-09
PRIOR FILING DATE: 2003-01-15
NUMBER OF SEQ ID NOS: 626
SOFUL ON 538
LENGTH: 21
US 60/358,580
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100.0%; Pred
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SOFTWARE: Patentin version 3.2
SEQ ID NO 539
LENGTH: 21
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Matches 19; Conservative
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ORGANISM: Artificial
FEATURE:
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y OTHER INFORMATION: Description of Artificial Sequence: sinA sense region
FEBTURE:
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June 23, 2003, 01:05:28; Search time 232.59 Seconds (without alignments) 2502.502 Million cell updates/sec
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GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.
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                                                                                                                                                               2054640 seqs, 14551402878 residues
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                                    nucleic search, using sw model
                                                                                                               1 CCAACTCTTCGCGGTGGCAG 20
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Gapop 60.0 , Gapext 60.0
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em_htgo_other:*
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em_htg_vrt:*
em_gy:*
em_htgo_hum:*
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em_htg_hum:'
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Perfect score:
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Pred. No.

AX363221 Sequence E22563 Process for E25721 Method for AB069038 Synthetic PAT 29-SEP-1999 AX445639 Sequence
AX115384 Sequence
AX142066 Sequence
159933 Sequence 60
196791 Sequence 60
195816 Sequence 60
AX068199 Sequence
AX068199 Sequence
AX068199 Sequence
AX068203 Sequence
AX068203 Sequence
AX068203 Sequence
AX068203 Sequence
AX068203 Sequence AB069392 Synthetic D83300 Bovine DNA A30767 Artificial AR063830 Sequence AR068779 Sequence AR056247 Sequence AR114005 Sequence AR008099 Sequence AX378621 Sequence AX033200 Sequence AX350215 Sequence L24234 Dog (Clone: AR063831 Sequence AR063829 Sequence AX109246 Sequence A30766 Artificial Sequence AR130983 Sequence AR139457 Sequence AX293905 Sequence AX294358 Sequence AX294843 Sequence AX399650 Sequence AX253560 Sequence 28704 Sequence 7 Sequence AX399649 Sequence score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution. 1 (bases 1 to 20)

Kim, N.Woo., Wu,F., Kealey,J.T., Fruzan,R. and Weinrich,S.L.

Methods for detecting the RNA component of telomerase

Patent: US 5846723-A 7 08-DEC-1998;

Location/Qualifiers Description linear DNA ALIGNMENTS AR063831 20 bp Sequence 7 from patent US 5846723. SUMMARIES AX109246 A30766 AB069392 A37934 AX363221 E22563 E25721 AB069038 AX033200 AX350215 DOGP34801 AR114005
AR008099
AX378621
BOVINE20
A30767
AR063830
AR092831
AR092653
AR130983
AR130983
AR130983
AR130983 AX445639 AX115384 AR142066 186791 195816 AX060321 AX484473 AX068199 AR063831 AR063829 AX294358 AX294843 AX068203 GI:5993139 80 Length Jnclassified. AR063831 AR063831.1 Query Unknown. Unknown Score RESULT 1
AR063831
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VERSION ORGANISM REFERENCE AUTHORS TITLE JOURNAL FEATURES KEYWORDS SOURCE Result S

PAT 30-APR-2001

BASE COUNT

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20 bp DNA linear SYN 08-AUG-2001
Synthetic construct DNA, forward primer for human STS sts-stSG28879
at 1p36.
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artificial sequences.
[ Losses 1 to 26]
Delearanijder,W., Berger,C., Loeken,C., Nys,G. and Venema,J.
Human g-protein coupled receptor
Patent: Wo 0125269-A 13 12-APR-2001;
Solvay Pharmaceuticals B.V. (NL)
Location/Qualifiers
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Best Local Similarity 100.0%; Pred. No. 4.6e+04;
Matches 11; Conservative 0; Mismatches 0; Indels
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100.0%; Pred. No. 1.1e+04;
ive 0; Mismatches 0;
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/organism="synthetic construct"
/db_xref="taxon:32630"
11 c 4 g 3 t
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/organism="synthetic construct"
/bb_xref="taxon:32630"
/note="Degenerated primers"
       26 bp
Sequence 13 from Patent WO0125269.
AX109246
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                                                      AX109246.1 GI:13924119
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Best Local Similarity 100.
Matches 12; Conservative
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Unclassified.

1 (bases 1 to 46)

1 (bases 1 to 46)

Beckmann, M. Patricia., Goodwin, R.G., Giri, J.G. and Armitage, R.J.

CD27 mann, M. B573924-A 7 12-NOV-1996;

Patent: US 5573924-A 7 12-NOV-1996;

Location/Qualifiers
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Unclassified.

I (bases 1 to 30)

Im,N.Woo., Wu.F., Kealey,J.T., Pruzan,R. and Weinrich,S.L. Methods for detecting the RNA component of telomerase Patent: US 5846723-A 5 08-DEC-1998;

Location/Qualifiers
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Matches 20; Conservative 0; Mismatches 0; Indels
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65.0%; Score 13; DB 6; Length 46;

Best Local Similarity 100.0%; Pred. No. 2.6e+03;

Matches 13; Conservative 0; Mismatches 0; Indels
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Sequence 7 from patent US 5573924.
128704 1 GI:1819480
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Sequence 5 from patent US 5846723.
AR063829
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12 c 14 g
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10 c 9 g
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1 (bases 1 to 30)
Cummins, T.J., Atwood, S.Melissa., Bergmeyer, L., Findlay, J.Bruce.,
Sutherland, J.W.H. and Kerschner, J.H.
                                                                                                                                                                                                                                                                                                                                               Gaps
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                                                                                                                                                                                            1. .24
/organism="synthetic construct"
/db_xref="taxon:34630"
/note="Computer Generated Probe Sequence."
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Probes and decoder oligonucleotides
Patent: WO 0216649-A 2094 28-FEB-2002;
Illumina, Inc. (US)
Location/Qualifiers
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Sequence 60 from patent US 6174668.
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    /organism="synthetic color xref="taxon:32630" /note="Primer"

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artificial sequences.
1 (bases 1 to 25)
Picoult-Newburg, L. and Pohl, M.
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                  AX445639.1 GI:21692920
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                                                synthetic construct.
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Nu unidentified.

unclassified.

L (bases 1 to 21)

Navill,K., Pickersgill,R.W., Gould,G.W., Goodenough,P.W. and Mosely,B.E.

ALTERATION OF POLYPEPTIDES

L Patent: WO 9408018-A 12 14-APR-1994;

UNLEVER PLC (GB)

Other publication GB 2273331 940706

Other publication JP 8501939T 960305.
Chen,Y.Z., Hayashi,Y., Wu,J.G., Takaoka,E., Maekawa,K.,
Watanabe,N., Inazawa,J., Hosoda,F., Arai,Y., Mizushima,H.,
Morohashi,A., Ohira,M., Nakagawara,A., Liu,S., Hoshi,M., Horil,A.
                                                                                                                                                                           Submitted (04-AUG-2001) Akira Horii, Tohoku University School of Medicine, Molecular Pathology; 2-1 Seiryomachi, Aoba-ku, Sendai, Miyagi 980-8575, Japan (E-mail:horii@mail.cc.tchoku.ac.jp, Tel:81-22-717-8042, Pax:81-22-717-8047)
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                                             and Soeda, E.
A BAC-based STS-content map spanning a 35-Mb region of human chromosome 1p35-p36
Genomics 74 (1), 55-70 (2001)
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/organism="synthetic construct"
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Sequence 12 from Patent W09408018.
A37934
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Gaps

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PAT 01-DEC-1998

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artificial sequences.
1 (bases 1 to 36)
Shimkets, R.A., Fernandes, E., Vernet, C., Yang, M., Boldog, F.L. and
                                                                                                                                                                                                                                                                                        Unknow...
Unknow...
Unclassified.

1 (bases 1 to 30)

1 (bases 1 to 30)

2 (Cumins, T. J., Atwood, S.Melissa., Bergmeyer, L., Findlay, J.Bruce., Sutherland, J.W.H. and Kerschner, J.H.
Diagnostic compositions, elements, methods and test kits for amplification and detection of two or more DNA's using primers having matched melting temperatures
patent: US 5733751-A 60 31-MAR-1998;
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Secreted polypeptides and corresponding polynucleotides Patent: WO 0078802-A 29 28-DEC-2000; Curagen Corporation (US) Location/Qualifiers
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Best Local Similarity 100.0%; Pred. No. 4.5e+04;
Matches 11; Conservative 0; Mismatches 0;
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/db_xref="taxon:32630"
/note="chemically synthesized"
/ 12 c 12 g 5 t
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Sequence 60 from patent US 5733751.
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Sequence 29 from Patent WO0078802.
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Cummins, T.J., Atwood, S.Melissa., Bergmeyer, L., Findlay, J.Bruce., Sutherland, J.W. H. and Kerschner, J.H.
Diagnostic primers and probes
Patent: US 5654416-A 60 05-AUG-1997;
Location/Qualifiers
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Cummins.T.J., Atwood, S.Melissa., Bergmeyer, L., Findlay, J.Bruce., Cummins.T.J., Atwood, S.Melissa., Bergmeyer, L., Findlay, J.Bruce., Sutherland, J.W.H. and Kerschner, J.H.
Diagnostic compositions, elements, methods and test kits for amplification and detection of two or more DNA's using primers having matched melting temperatures
having matched melting temperatures
Patent: US 5702901-A 60 30-DEC-1997;
Location/Qualifiers
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     Diagnostic compositions, elements, methods and test kits for amplification and detection of two or more target DNA's using primers having matched melting temperatures
Patent: 18 6174668-A 60 16-JAN-2001;
Location/Qualifiers
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Matches 11; Conservative 0; Mismatches 0;
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Sequence 60 from patent US 5702901.
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Sequence 60 from patent US 5654416.
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159933.1 GI:2478565
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PAT 22-JAN-2001

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linear PAT 16-AUG-2002
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                                                                                                                       Candida albicans.
Candida albicans
Eukaryota; Fungi; Ascomycota; Saccharomycotina; Saccharomycetes;
Saccharomycetales; mitosporic Saccharomycetales; Candida.
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                                                                                                                                                                                                               Roemer, T., Jiang, B., Boone, C., Bussey, H. and Ohlsen, K.L. Gene disruption methodologies for drug target discovery Patent: WO 02063798-A 1773 11-JUL-2002; Blitra Pharmaceuticals, Inc. (US)
                                                                                                                                                                                                                                                                                                                                                                                                            Query Match 55.0%; Score 11; DB 6; Length 43; Best Local Similarity 100.0%; Pred. No. 4.4e+04; Matches 11; Conservative 0; Mismatches 0; Indels
                                    AX484473 43 bp DNA Sequence 1773 from Patent WO02053728. AX484473.1 GI:22318825
                                                                                                                                                                                                                                                                                                   1. .43
/organism="Candida albicans"
/db_xref="taxon:5476"
a 8 c 7 9 10 t
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AX48473
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Search completed: June 23, 2003, 06:34:18 Job time: 235.051 secs

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25-AUG-2000; 2000US-227948P.
29-AUG-2000; 2000US-228854P.
                       27-AUG-2001; 2001WO-US26519
                                       (ILLU-) ILLUMINA INC.
         WO200216649-A2.
                28-FEB-2002
   Synthetic.
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WPI; 2002-292068/33. Gunderson K;

Array comprising adapter sequences useful for immobilizing or detecting a target nucleic acid sequence, has different addresses comprising different specific capture probes -

Claim 1; Page 189; 261pp; English.

The invention relates to an oligonucleotide array (I) comprising at least 25 different addresses (adapter sequences) with each comprising a different capture probe selected from a group consisting of the sequences given in ABQ00010-ABQ13409. (I) is useful for immobilising a target nucleic acid sequence by attaching a adapter nucleic acid (ABQ00010-ABQ13409) to a target nucleic acid to form a modified target nucleic acid and contacting the modified target nucleic acid with (I). The steps of above method is useful for detecting a target nucleic acid with (I). The steps of above method is useful for detecting a target nucleic acid, further comprises detecting the presence of the modified target

Sequence 24 BP; 6 A; 6 C; 8 G; 4 T; 0 other;

. 0 Query Match 55.0%; Score 11; DB 24; Length 24; Best Local Similarity 100.0%; Pred. No. 2.8e+03; Matches 11; Conservative 0; Mismatches 0; Indels

Gaps

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Search completed: June 23, 2003, 05:43:37 Job time : 134.216 secs

Oligonucleotide array; adapter sequence; probe; ss

WO200216649-A2

Synthetic.

28-FEB-2002.

25-AUG-2000; 2000US-227948P. 29-AUG-2000; 2000US-228854P. 27-AUG-2001; 2001WO-US26519

Oligonucleotide adapter/capture probe 8092

11-JUN-2002 (first entry)

ABQ08101;

ABQ08101 standard; DNA; 24 BP

ABQ08101/

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employed to screen gene libraries to identify DKG reductases or cross reactive activities. DKGR nucleic acids may be sequenced and subjected to site specific mutagenesis to develop modified DKGR with desired properties that are absent or less pronounced in the wild-type proteins, such as greater catalytic efficiency, stability to heat, solvent tolerance, NADH dependent activity and different optimum pH. The sequence presented is the PCR primer, 28L5, used to amplify 2,5-diketo-D-gluconic acid reductase d (DKGRd) gene (clone pI-28) from DNA extracted from soil samples.
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100.0%; Pred. No. 2.8e+03;
ive 0; Mismatches 0;
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29-AUG-2000; 2000US-228854P.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WO200216649-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gunderson K;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ABQ02087;
                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ABQ02087/c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                   25 different addresses (adapter sequences) with each comprising a different capture probe selected from a group consisting of the sequences given in App00010-ApQ13409. (I) is useful for immobilising a target nucleic acid sequence by attaching a adapter nucleic acid sequence by attaching a adapter nucleic acid acid and contacting the modified target nucleic acid and contacting the modified target nucleic acid with (I). The steps of above method is useful for detecting a target nucleic acid, with city, further comprises detecting the presence of the modified target
                                                                                                                                                                                                                                                                                                                                                                                                                                                         The invention relates to an oligonucleotide array (I) comprising at least
                                                                                                                                                                                                                                                                                                                                                                      Array comprising adapter sequences useful for immobilizing or detecting a target nucleic acid sequence, has different addresses comprising different specific capture probes -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              55.0%; Score 11; DB 24; Length 24; 100.0%; Pred. No. 2.8e+03; ive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Oligonucleotide array; adapter sequence; probe; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 24 BP; 4 A; 8 C; 6 G; 6 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Oligonucleotide adapter/capture probe 8133
                                                                                                                                                                                                                                                                                                                                                                                                                                  Claim 1; Page 189; 261pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ABQ08142 standard; DNA; 24 BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 11; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          2 CAACTCTTCGC 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       11 caacrerrese 1
                                                                                                                                                                                                                                                                                        (ILLU-) ILLUMINA INC
                                                                                                                                                                                                                                                                                                                                                WPI; 2002-292068/33
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     11-JUN-2002
                                                                                                                                                                                                                                                                                                                     Gunderson K;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ABQ08142;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Matches
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Gaps

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Query Match 55.0%; Score 11; DB 24; Length 24; Best Local Similarity 100.0%; Pred. No. 2.8e+03; Matches 11; Conservative 0; Mismatches 0; Indels

Gaps

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BP.

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The present sequence was used in the cloning of full-length mouse R35 croMA. R35 is a seven transmembrane receptor which is useful for treating neuropathic pain, inflammatory and chronic pain, incontinence, and disorders of the gastrointestinal tract associated with gut motility and secretion such as irritable bowel syndrome. It is also useful for inducing an immune response in a mammal to protect against the diseases. It is useful in screening assays to identify compounds which stimulate or inhibit the function of the polypeptide, to identify membrane bound or soluble receptors and also for the structure-based design of an agonist, antagonist or inhibitor of R35.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        The invention discloses the isolated polypeptide, and polynucleotide encoding it, 2,5-diketo-D-gluconic acid reductase (DKGR) which is a member of the aldo-keto reductase superfamily. The reductase, in a particular in Pantoea sp., is useful for converting glucose to ascorbic acid, by culturing the host cell under conditions suitable for the expression of DKGR. Glucose is first converted to 2,5-diketo-D-gluconic acid by endogenous oxidases and this is then reduced enzymatically to 2-keto-L-gulonic acid by a heterologous DKGR expressed in the production strain of bacteria. DKGR nucleic acids and proteins are useful to make enzymes useful in industrial processes to convert glucose to vitamin C in a single organism. DKGR proteins or their fragments and derivatives are useful as immunogens to produce antibodies useful in screening for similar enzymes from other organisms and samples. These antibodies are
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Diketo-D-gluconic acid reductases, isolated from the environment using polymerase chain reaction methods, useful to provide new catalysts with desirable traits for industrial processes
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  2,5-diketo-D-gluconic acid reductase d; DKGRd; aldo-keto reductase; glucose; ascorbic acid; 2-keto-L-gulonic acid; vitamin C; immunogen; catalytic efficiency; thermal stability; solvent tolerance; pH optimum; PCR; primer; ss; pI-28.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PCR primer, 2815, used to amplify 2,5 DKG reductase d (clone pI-28)
                                                                                                                                                                                                                                                                                                                                             55.0%; Score 11; DB 21; Length 22; 100.0%; Pred. No. 2.8e+03; ive 0; Mismatches. 0; Indels
                                                                                                                                                                                                                                                                                                 Sequence 22 BP; 8 A; 5 C; 7 G; 2 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Example 1; Page 31; 58pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Donnelly M, Eschenfeldt WH,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            02-OCT-2001; 2001WO-US42445.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                04-OCT-2000; 2000US-0684385
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ABK86775 standard; DNA; 22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (GEMV ) GENENCOR INT INC.
                                                                                                                                                                                                                                                                                                                                                                                                    11; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                     S CTCTTCGCGGT 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WPI; 2002-463231/49.
                                                                                                                                                                                                                                                                                                                                                                          Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WO200229019-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Unidentified
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               24-SEP-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             11-APR-2002.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       . 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ABK86775;
                                                                                                                                                                                                                                                                                                                                                  Query Match
                                                                                                                                                                                                                                                                                                                                                                                                    Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RESULT 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ABK86775
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
                                                                                                                                                                                                                                                                                              Preparation of new reduced size polypeptide(s), partic. enzyme(s) - lacking at least a part of a loop region while retaining biologically functional activity
                                                                                                                                                                                                                                                                                                                                                                                                                                                This sequence verified a Cys to Thr mutation had occurred at a position equivalent to coden 94 of a truncated hen egg white 1ysozyme gene following site-directed mutagenesis via inverse PCR using an oligonucleotide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           gene therapy; seven transmembrane receptor; neuropathic pain; inflammation; incontinence; irritable bowel syndrome; PCR primer; 88.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Michalovich D, Reith AD, Schnuerch H;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Indels
                                                                                                                                                                           Pickersgill RW;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        R35; uropathic; antiinflammatory; analgesic;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   55.0%; Score 11; DB 15; I
100.0%; Pred. No. 2.8e+03;
iive 0; Mismatches 0;
                                                                                                                                                                           BEE, Picke
Varvill K;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 21 BP; 8 A; 5 C; 7 G; 1 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (SMIK ) SMITHKLINE BEECHAM PLC.
(PLAC ) MAX-PLANCK INST NEUROBIOLOGY.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Mouse R35 specific primer MM-R35-EU1
                                                                                                                                                                         WW, Moseley
Mosely BEB,
                                                                                                                                                                                                                                                                                                                                                                                                    Disclosure; Page 26; 59pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Example 4; Page 25; 55pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAC68689 standard; DNA; 22 BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 99GB-0009161.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  20-APR-2000; 2000WO-GB01546
  93WO-GB02026
                                                 92GB-0020418
                                                                                                                                                                         Goodenough PW, Gould WW,
Varhill K, Gould GW, Mose
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity 100.
Matches 11, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         6 TCTTCGCGGTG 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        σ
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        DNA primer (AAQ62039)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        19 retrededed
                                                                                                (UNIL ) UNILEVER NV. (UNIL ) UNILEVER PLC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WPI; 2000-679669/66.
                                                                                                                                                                                                                                                  WPI; 1994-135584/16.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WO200064928-A2.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 21-APR-1999;
  28-SEP-1993;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Mus musculus
                                                 28-SEP-1992;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     22-FEB-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 02-NOV-2000.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Barde Y,
Stubbusch
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAC68689;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Mouse;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RESULT 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAC68689,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SA THE TAX TO SEE THE
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Trent J;

20-NOV-2001.

AAQ22888;

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One Hutch strain (HCV-H) of NANBV, designated the Hutch C59 isolate (HCV-Hc59) was propagated through passage in animals and the entire viral genome was cloned and sequenced the parties of purified liver or plasma derived from HCV RNA was used per cDNA priming reaction. Specific nucleotide primers derived from published HCV sequences and spanning the entire reported genomic sequences were used to prime the reaction. Selected target sequences were amplified using a PCR-based approach using a variety of nucleotide primers. The nucleotide sequences of the primers are given in AAQ22872-936 and AAQ24472. Amplified sequences were subsequently isolated, rendered blunt-ended and
                                                                                                                                                                                                                                                                                                                                                                                                                                          Deoxyribonucleic acid sequence encoding non-A, non-B hepatitis virus - obtd. Hutch C59 subgroup encoding polypeptide(s), useful as vaccines, and immuno reactive Abs for diagnosis of virus
                                                                                             Hepatitis C virus; non-A non-B virus; HCV-Hc59; primers;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                inserted into a pUC or pBluescript cloning vectors.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 20 BP; 3 A; 3 C; 9 G; 5 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                Zebedee S, Inchauspe G, Nasofe MS,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Disclosure, Page 107; 225pp; English
                                                            HCV-Hc59 primer #626 (sense strand).
                                                                                                                                                                                                                                                                                                                                               (PHAA ) PHARMACIA GENETIC ENG INC.
                                                                                                                                                                                                                                                 91WO-US06037
                                                                                                                                                                                                                                                                                 90US-0616369
                                                                                                                                                                                                                                                                                                90US-0573643
                                                                                                                                                                                                                                                                                                                                (NYBL-) NEW YORK BLOO DCENT
                             07-JUL-1992 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                WPI; 1992-096821/12.
                                                                                                                  probes; vaccine; ss.
                                                                                                                                                                                                                                                 23-AUG-1991;
                                                                                                                                                                                                                                                                                  21-NOV-1990;
                                                                                                                                                                                                                                                                                                  25-AUG-1990;
                                                                                                                                                                                 W09203458-A.
                                                                                                                                                                                                                  05-MAR-1992
                                                                                                                                                  Synthetic.
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Prince AM;

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Query Match
55.0%; Score 11; DB 13; Length 20;
Best Local Similarity 100.0%; Pred. No. 2.8e+03;
Matches 11; Conservative 0; Mismatches 0; Indels
                                                                                  4 ACTCTTCGCGG 14
         Query Match
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11 ACTCTTCGCGG 1

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ABL43707 standard; DNA; 20 BP. ABL43707; ABL43707, RESULT BXSXXXXXXXXX

Human chromosome 1p36-35 PCR primer SEQ ID NO:751.

11-APR-2002 (first entry)

Human; chromosome 1p36-35; chromosome 21q22.1; genetic analysis; genome; PCR primer; ss.

Homo sapiens

JP2001321190-A.

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The present invention describes a method of arraying genome clones. The method comprises: (a) clones of the genomic libraries contained in method comprises: (b) a primer designed based on the chromosome marker comultiwell plates; (b) a primer designed based on the chromosome marker multiwell plates; (b) a primer designed based on the chromosome marker complised corresponding to the marker is detected from the resultant amplified product to specify the discrimination Nos. of the multiwell containing the clones having said marker sequence; (d) the order of the maximum in the specified discrimination Nos. to array the multiwell containination Nos. that the same discrimination Nos. succeed to plates; (e) the clones in the multiwell plates of the specified discrimination Nos. to array the multiwell containination Nos. are mixed respectively in each wells of longitudinal and lateral directions; (f) the mixed clones are cultured and the call altered from the amplified by using the above primer; (g) signals are detected from the amplified products; (h) the clones in the multiwell creconstituted as the positions on the chromosome and arrayed. The crones are meconstituted as the positions on the chromosome and arrayed. The containing the present PCR primers for human chromosome 21q22.1, which are present crepresent PCR primers for human chromosome 21q22.1, which are present invention.
                                                                                                                                                                                                                                                                                                                           Claim 4; Page 19; 528pp; Japanese.
                                                               12-MAR-2001; 2001JP-0068285
                                                                                                           10-MAR-2000; 2000JP-0066716.
                                                                                                                                                       (RIKA ) RIKAGAKU KENKYUSHO.
(GENO-) GENOTEX YG.
                                                                                                                                                                                                                                                                            Arraying genome clones
                                                                                                                                                                                                                              WPI; 2002-144136/19.
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Sequence 20 BP; 4 A; 4 C; 5 G; 7 T; 0 other;

Gaps ö 55.0%; Score 11; DB 24; Length 20; 100.0%; Pred. No. 2.8e+03; ive 0; Mismatches 0; Indels 11; Conservative Best Local Similarity Query Match Matches

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5 CTCTTCGCGGT 15 Ŋ 15 CTCTTCGCGGT

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Hen egg white lysozyme gene Cys to Thr mutation at codon 94. AAQ62049 standard; DNA; 21 BP. (first entry) 09-OCT-1994 AAQ62049; RESULT 10 AAQ62049/c

Hen egg white; lysozyme; enzyme engineering; protein engineering fowl; plasmid pKP1500; ss. /*tag= a /note= "Cys to Thr mutation" Location/Qualifiers Key misc_feature Synthetic

WO9408018-A.

14-APR-1994

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            This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligoners for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC0010-ABC99989, ABF0010-ABF9989 and ABI0010-ABC99989 and ABI0010-ABC9989 and specification, but was obtained in electronic form art of the printed specification, but was obtained in electronic format from WIPO at
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                nucleic acid. The method comprises monitoring the dispersion of a mixture of a sample and a probe labelled with a fluorescent intensity of a mixture of a sample and a probe labelled with a fluorescent intensity of a mixture of a sample and a probe labelled with a fluorescent the functional ground in the probe contains a base sequence complementary to a specific nucleic acid in the sample. The method is useful for clinical gene diagnosis by exploring unknown genes. It is useful for evaluaring the homology of an unknown gene with a control gene sequence and as a method of detecting genetic mutations e.g therapy for hepatitis C virus (HCV). The method is quicker and requires less labour as it specifically detects and quantifies the hybrid in a simple one-step measurement without requiring the separation of excess unhybridised probe. The method is more sensitive and can
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     A method has been developed of measuring the melting temperature of a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Measuring melting temperature of nucleic acid – comprises monitoring fluorescent intensity of mixture of sample and fluorescently labelled probe
                                                                                                                                                                                                                                                                                                                                                                         Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Melting point; temperature; nucleic acid; fluorescent intensity; probe; fluorescent intercalative dye; target DNA; diagnosis; detection; genetic mutation; homology; ss
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                                                                                                                                                                                                                                                                                                                              Length 12;
                                                                                                                                                                                                                                                                                                                                                                    0; Indels
                                                                                                                                                                                                                                                                                                                            55.0%; Score 11; DB 23; L 100.0%; Pred. No. 2.8e+03;
                                                                                                                                                                                                                                                                                     Sequence 12 BP; 3 A; 5 C; 1 G; 3 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                       0; Mismatches
                                                                                                                                                                                                                                                ftp.wipo.int/pub/published_pct_sequences.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Example 3; Page 7; 24pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAX00290 standard; DNA; 13 BP
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Target DNA sequence DNA 6.
                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity 100.
                                                                                                                                                                                                                                                                                                                                                                                                               12
                                                                                                                                                                                                                                                                                                                                                                                                                                                  CAACTCTTCGC 12
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                                                                                                                                                                                                                                                                                                                                                                                                           CAACTCTTCGC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WPI; 1999-083587/08.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  05-JUN-1998;
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detect small amounts of nucleic acids in sample e.g. tens of copies of target nucleic acids can be amplified to several ng. The present sequence represents a target DNA sequence from an example of the present
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                                                                                                                                 Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     This sequence is based on a fragment of a mycobacterial gene which encodes a protein homologous to the 65KD antigen of mycobacterium. The is used in a pair as a primer to amplify mycobacterial genes to detect mycobacteria. The oligonucleotide can also be used as a labelled probe to detect amplified mycobacterial sequences. It reacts specifically with Mycobacterium avium DNA. see also AAQ06505-Q06515, AAQ06517-Q06523 and AAR08136.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Nucleotide sequences of actinomycetales - used as primers for
synthesis of DNA of actinomycetales
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                                                                                               55.0%; Score 11; DB 20; Length 13; 100.0%; Pred. No. 2.8e+03; ive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                  mycobacterial antigen; actinomycetales; tuberculosis; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Levy-Frebault V,
                                                                                                                                                                                                                                                                                                                                                     Probe/primer TB-5 derived from mycobacterial gene
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 20 BP; 2 A; 11 C; 4 G; 3 T; 0 other;
                                                                       Sequence 13 BP; 2 A; 5 C; 5 G; 1 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Hance A, Grandchamp-Desraux B,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAQ22888 standard; DNA; 20 BP.
                                                                                                                                                                                                                                                                  BP.
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                                                                                                                                                                                                                                                                                                                         (first entry)
                                                                                                                Best Local Similarity 100 Matches 11; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    11; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                10 CGCGGTGGCAG 20
                                                                                                                                                              9 TCGCGGTGGCA 19
                                                                                                                                                                                         12 TCGCGGTGGCA 2
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                                                                                                                                                                                                                                                                                                                         22-FEB-1991
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 17-APR-1989;
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                                                                                                                                                                                                                                                                                                                                                                                                                                            WO9012875-A.
                                             invention.
                                                                                                                                                                                                                                                                                                                                                                                                                Synthetic.
                                                                                                                                                                                                                                                                                              AAQ06516;
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                                                                                                                                                                                                                                    RESULT 7
AAQ06516/c
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ID AAQ22
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AAV34748-V34756 are primers used in the isolation of human and mouse type II interleukin-1 receptor (IL-IR) which is used in a method to investigate the regulation of the immune or inflammatory response in a mammal. This method involves administering a soluble type-II IL-1 receptor protein in an amount effective to bind to IL-1 and prevent treating alloantigen-induced rejection of transplanted tissues or treating alloantigen-induced rejection of transplanted tissues or organs, graft-versus-host disease and autoimmune dysfunction dependent upon the activation of T cells against self antigens, selected from rheumatoid arthritis, diabetes mellitus or multiple sclerosis.
                                                                                                                                                                         Regulation of interleukin-1 mediated immune or inflammatory response in mammal - comprises administering soluble IL-1 receptor protein, used in treatment of e.g. graft versus host disease and multiple
Mosley BA, Sims JE;
                                                                                                                                                                                                                                                                                                                                                                                                                             Example 1; Column 19; 33pp; English.
    Lupton SD,
                                                                                         WPI; 1998-361746/31
              Cosman DJ,
                                                                                                                                                                                                                                                                                                                                             sclerosis
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65.0%; Score 13; DB 19; Length 46; 100.0%; Pred. No. 1.8e+02; Sequence 46 BP; 6 A; 12 C; 14 G; 14 T; 0 other; 0; Mismatches 3 AACTCTTCGCGGT 15 25 AACTCTTCGCCGT 37 Conservative Local Similarity es 13; Conserv Query Match Matches à g

AAF80328 standard; DNA; 26 BP. AAF80328; RESULT 4 AAF80328

29-JUN-2001 (first entry)

PCR primer for cDNA encoding the G-protein coupled receptor IGS4.

Human, G-protein coupled receptor; 1G94; 1G84B; 1G84B; schizophrenia; nervous system disorder; psychiatric disorder; parkinson's disease; capisodic paroxyamal arxiety; phobia; migraine; epilepsy; bulimia; stroke; cardicvascular disease; heart failure; angina pectoris; obesity; emesis; motility disorder; myocardial infarction; hypertension; dyslipidemia; gastrointestinal disorder; inflammatory bowel disease; osteoporosis; inflammation; infection; pain; cancer; immune disorder; allergy; sepsis; gynecological disorder; PCR primer; ss.

Homo sapiens

WO200125269-A2

12-APR-2001

25-SEP-2000; 2000WO-EP09584.

24-SEP-1999; 99EP-0203140. 24-SEP-1999; 99NL-1013140. 28-JUL-2000; 2000EP-0202683. 31-JUL-2000; 2000US-0222047.

(SOLV) SOLVAY PHARM BV

Nys G, Loeken C, Deleersnijder W, Berger C, WPI; 2001-273568/28. New G-protein coupled receptors and the polynucleotides encoding them,

ber primers AARB0328-30 were used to amplify cDNA encoding a human G-protein coupled receptor designated IGS4. IGS4 exists in two human G-protein coupled receptor designated IGS4. IGS4 exists in two polymorphic forms, IGS4A and IGS4B. The IGS4 receptors and IGS4 and IGS4B. The IGS4 receptors and IGS4B. These diseases include peripheral nervous system disorders are useful for preventing, ameliotating or correcting desase, migrains, episodic paroxysmal anxiety, phobia, Parkinson's disease, migrains, episopy, bulimia or stroke), cardiovascular diseases (e.g. heart failure, angina pectoris, myocardial infarction or hypertension), dyslipidemias, obesity, emesis gastrointestinal ciscoders (e.g. inflammatory bowel disease or motility disorders), osteoporosis, inflammations, infections (e.g. bacterial, fungal, proteozoan or viral), pain, cancers, immune disorders, allergies, proteozoan or viral), pain, cancers, immune disorders, allergies, proteozoan or viral), pain, cancers, immune disorders of the nervous system, including the central and paripheral nervous system, disorders of the gastrointestinal central and paripheral nervous system, disorders of the gastrointestinal gentem, cardiovascular system, or immunological disease. The IGS4 polymucleotides genitourinary system, or immunological disease. The IGS4 polymucleotides useful for preventing, ameliorating or correcting nervous system disorders, cardiovascular diseases, dyslipidemias, inflammations, pain genitourinary system, or immunological disease. The IGS4 polynuclare useful as diagnostic reagents for detecting under-expression, overexpression or altered expression of IGS4. Example 1a; Page 39; 102pp; English. or cancers

Seguence 26 BP; 1 A; 7 C; 9 G; 5 T; 4 other;

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Gaps

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Indels

ò Gaps ; Length 26; 0; Indels 60.0%; Score 12; DB 22; L 100.0%; Pred. No. 7.1e+02; ive 0; Mismatches 0; Local Similarity 100. nes 12; Conservative Query Match Matches

TCTTCGCGGTGG 17 rcrrcccccrcc 16 9

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ABI41062 standard; DNA; 12 BP RESULT 5 ABI41062

ABI41062;

22-FEB-2002 (first entry)

Oligonuclectide primer SEQ ID NO 341035 for detecting SNP TSC0010735.

SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS; peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss; central nervous system; gastrointestinal; respiratory; immune; metabolic.

Homo sapiens.

WO200177384-A2

18-OCT-2001.

06-APR-2001; 2001WO-IB00713.

07-APR-2000; 2000DE-1019173

(EPIG-) EPIGENOMICS AG.

Berlin K; Piepenbrock C, Olek A,

WPI; 2001-657177/75.

Set of oligonucleotides, useful for diagnosis and cell typing, i designed to detect single nucleotide polymorphisms and cytosine methylation status

Claim 1; SEQ ID 341035; 29pp + Sequence Listing; German.

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Sequences shown in AAV41169 to AAV41181 represent antisense
cligonucleotides to the RNA component of human telomerase (hTR). These
antisense cligonucleotides specifically hybridise to a nucleotide
caquence within an accessible region of the hTR, but that does not
hybridise to a sequence within the template region of hTR. These
cligonucleotides may specifically be used for detection of an RNA
component of human telomerase in a sample. This is useful for diagnosing
cancer (especially neuroblastoma, bladder, colon and prostate cancer),
and providing prognosis for a cancer patient. The inhibitory
cligonucleotides can inhibit the telomerase activity level in a cell by
interfering with transcription of the RNA component, decreasing the
half-life of the telomerase RNA component transcript, inhibiting the
cof the RNA component into the telomerase holoenzyme, or inhibiting the
polymerase activity of telomerase. These antisense oligonucleotides can
be used for inhibiting telomerase activity in both cultured cells and in
                                                                                                                                                                                                                                                                                                                                                                                                                cells in vivo. They can be used in therapeutics for treating or preventing cancer, for contraception or sterilisation, for immunosuppression, and for selectively down-regulating specific branches of the immune system, e.g. a specific subset of T-cells, in anti-inflammatory therapies or for treating infections by, e.g. yeast,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              component; human telomerase; antisense oligonucleotide; infection;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             neuroblastoma; bladder cancer; colon cancer; prostate cancer; cancer; contraception; sterilisation; immunosuppression; therapeutic; hTR; immune system down-regulation; anti-inflammatory therapy; ss.
               New polynucleotide(s) anti:sense to human telomerase - used for detecting or inhibiting human telomerase, e.g. for treating cancers, contraception, immuno-suppression or treating infection
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           100.0%; Score 20; DB 19; Length 20; 100.0%; Pred. No. 0.012; tive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RNA component of human telomerase (hTR) antisense oligo 16.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 20 BP; 3 A; 7 C; 6 G; 4 T; 0 other;
                                                                                           Claim 11; Page 65; 80pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1 CCAACTCTTCGCGGTGGCAG 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Kealey JT, Kim NW, Pruzan R,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAV41172 standard; DNA; 30 BP
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96US-0770564.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WPI; 1998-377670/32
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     parasites or fungi.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
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20-DEC-1996;
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Sequences shown in AAV41169 to AAV41181 represent antisense
oligonucleotides to the RNA component of human telomerase (hTR). These
artisense oligonucleotides specifically bybridise to a nucleotide
sequence within an accessible region of the hTR, but that does not
oligonucleotides may specifically be used for detection of an RNA
component of human telomerase in a sample. This is useful for diagnosing
component of human telomerase in a sample. This is useful for diagnosing
component of human telomerase in a sample. This is useful for diagnosing
component of human telomerase in a cancer patient. The inhibitors
component of human telomerase in a cancer patient. The inhibitors
confortides can inhibit the telomerase activity level in a cell by
interfering with transcription of the RNA component decreasing the
coligonucleotides can inhibit the telomerase activity inhibiting the
polymerase activity of telomerase. These antisense oligonucleotides can
collymerase activity of telomerase activity in both cultured cells and in
cells in vivo. They can be used in therapeutics for treating or
preventing cancer, for contraception or sterilisation, for
immunosuppression, and for selectively down-regulating specific branches
cof the immune system, e.g. a specific subset of T-cells, in
anti-inflammatory, therapies or for treating infections by, e.g. yeast,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Type II interleukin-1 receptor; IL-1R; immune response; inflammation; regulation; soluble; cell surface receptor; treatment; alloantigen; fissue; organ; rejection; transplant; graft-versue-host disease; human; autoimmune dysfunction; T-cell activation; self antigen; primer; rheumatoid arthritis; diabetes mellitus; multiple sclerosis; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
             detecting or inhibiting human telomerase, e.g. for treating cancers, contraception, immuno-suppression or treating infection
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        100.0%; Score 20; DB 19; Length 30; 100.0%; Pred. No. 0.012; ive 0; Mismatches 0; Indels
New polynucleotide(s) anti:sense to human telomerase
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                                                                         Claim 11; Page 65; 80pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 CCAACTCTTCGCGGTGGCAG 20
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94US-0242211.
95US-0442043.
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90US-0573576
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (IMMV) IMMUNEX CORP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  parasites or fungi
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Homo sapiens.
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24-AUG-1990;
13-DEC-1990;
12-JUL-1993;
13-MAY-1994;
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Matches
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PCR primer DYV-218 Oligo 5R, to const Human SEC2 DNA amp

specific SNPE

Primer for T7 gene Murine insulin-lik Rat insulin-like g Yeast NORF gene SA

Oligonucleotide

Scoring table:

Word size :

Database

Searched:

Title: Perfect score:

Sequence:

nucleic

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Run on:

PCR primer, 28L5, Oligonucleotide ad Oligonucleotide ad Oligonucleotide ad SNP specific SNPE

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RNA component; human telomerase; antisense oligonucleotide; infection; neuroblastoma; bladder cancer; colon cancer; prostate cancer; contraception; sterilisation; immunosuppression; therapeutic; hTR; immune system down-regulation; anti-inflammatory therapy; ss.
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ABI19475
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Kealey JT, Kim NW,
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20-DEC-1996;
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RNA component of h
Human Type II IL-1
PCR primer for cDN
Oligonucleotide pr
Target DNA sequenc
Probe/primer TB-5
HCV-HC59 primer #6
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                                                                                                           June 22, 2003, 18:09:32 ; Search time 132.908 Seconds (without alignments) 338.880 Million cell updates/sec
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10: /SIDS2/gcgdata/geneseq/geneseqn-embl/NA1996.DAT:*

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                                                                                                                                                                                                                                                                                                                                                    2166140
                  GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.
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                                                                                                                                                                                                                                                                                         2185239 segs, 1125999159 residues
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ABL43707
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Gapop_60.0 , Gapext 60.0
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Human chromosome

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Primer for detecti Primer for detecti Fragment of a plas Human obesity-asso Human HLA-A primer PCR primer ABCR.EX

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; Sequence 7, Application US/08770565; Patent No. 5846723; GENERAL INFORMATION:
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Best Local Similarity 100.
Matches 20; Conservative
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STRANDEDNESS: single
 CITY: San Francisco
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       California
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Sequence 13, Appli
Sequence 60, Appli
Sequence 60, Appl
Sequence 60, Appl
Sequence 61, Appl
Sequence 3, Appli
Sequence 3, Appli
Sequence 3, Appli
Sequence 3, Appli
Sequence 451, Appli
Sequence 451, Appli
Sequence 11, Appli
                                                                           June 23, 2003, 04:53:08; Search time 31.3147 Seconds (without alignments) 195.867 Million cell updates/sec
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Sequence 7,
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(cgn2_6/ptodata/2/ina/5A_COMB.seq:*
// cgn2_6/ptodata/2/ina/5B_COMB.seq:*
// cgn2_6/ptodata/2/ina/6A_COMB.seq:*
// cgn2_6/ptodata/2/ina/6B_COMB.seq:*
// cgn2_6/ptodata/2/ina/BCTUS_COMB.seq:*
// cgn2_6/ptodata/2/ina/bcTUS_COMB.seq:*
// cgn2_6/ptodata/2/ina/pcTUS_COMB.seq:*
// cgn2_6/ptodata/2/ina/packfiles1.seq:*
          5.1.6
Compugen Ltd.
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US-08-106-507-7
US-08-420-43A-5
US-08-473-020A-13
US-08-495-743-60
US-08-495-743-60
US-08-65-023-60
US-08-664-496-11
US-08-664-498-3
US-08-664-498-3
US-08-593-61
US-08-593-321-3
US-08-264-41
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US-08-473-020A-14
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US-08-770-565-5
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PCT-US96-06352-1
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          GenCore version
Copyright (c) 1993 - 2003
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                                                      - nucleic search, using sw model
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Gapop_60.0 , Gapext 60.0
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APPLICANT: Wu, Fred
APPLICANT: Wu, Fred
APPLICANT: Fealey, James T.
APPLICANT: Fruzan, Roll of the Truzan, Scott L.
TITLE OF INVENTION: Methods for Detecting the RNA Component of TITLE OF INVENTION: Telomerase
TITLE OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:
ADDRESSEE: TOWNSEND and TOWNSEND and CREW LLP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ö
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ZIF: 9411-383.4

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/770,565
FILING DATE: 20-DEC-1996
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 32,944
REGISTRATION NUMBER: 3
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Two Embarcadero Center, 8th Floor
US-09-289-368-52
US-09-190-982-10
US-09-136-411-7
US-09-136-411-7
US-09-241-541-5
US-09-291-541-5
US-09-291-541-5
US-09-291-541-5
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APPLICANT: Pruzan, Ronald
APPLICANT: Wealey, Soott L.
TITLE OF INVENTION: Methods for Detecting the RNA Component of
TITLE OF INVENTION: Telomerase
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:
ADDRESSEE: TOWNSEND and TOWNSEND and CREW LLP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 20; DB 2; Length 30; Pred. No. 0.0018;
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;Patent No. 5198342
; APPLICANT: MALIISZEWSKI, CHARLES R.
; TITLE OF INVENTION: DNA ENCOGING IGA FC RECEPTORS
; NUMBER OF SEQUENCES: 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SOFTWARE: Patentin Release #1.0, Version #1.30 CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/770,565 FILING DATE: 20-DEC-1996 CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                                                           ADDRESSEE: TOWNSEND and TOWNSEND and CREW LLP STREET: Two Embarcadero Center, 8th Floor CITY: San Francisco STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ATTORNEY/AGENT INFORMATION:
NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
REPERENCE/DOCKET NUMBER: 015389-002300US
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/548,059
FILING DATE: 05-JUL-1990
                                                                                                                                                                                                                                                                                                                                                                                                                           STATE: California
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              11 CCAACTCTTCGCGGTGGCAG 30
                                                                                                                      Sequence 5, Application US/08770565
Patent No. 5846723
GENERAL INFORMATION:
APPLICANT: Kim, Nam Woo
APPLICANT: Wu, Fred
        1 CCAACTCTTCGCGGTGGCAG 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match 100.0%; St
Best Local Similarity 100.0%; P:
Matches 20; Conservative 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TELEPHONE: 415-576-0200
TELEFAX: 415-576-0300
INFORMATION FOR SEQ ID NO: 5
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   30 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Rest Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TOPOLOGY: linear MOLECULE TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SEQ ID NO:4:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-08-770-565-5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           5198342-4
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Gaps
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                                                                                                                                                                     Patent No. 5350683
GENERAL INFORMATION:
APPLICANT: Sims, John E.
APPLICANT: Cosman, David J.
APPLICANT: Lupton, Stephen D.
APPLICANT: Lupton, Steven A.
APPLICANT: Dower, Steven K.
TITLE OF INVENTION: Type II Interleukin-1 Receptors
NUMBER OF SEQUENCES: 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  65.0%; Scc...
100.0%; Pred. No.....
0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/07/701,415
FILING DATE: 06-UN-1990
FILING DATE: 06-UN-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/573,576
FILING DATE: 24-AUG-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/627,071
FILING DATE: 13-DEC-1990
ATTORNEY/AGENT INFORMATION:
NAME: Wight, Christopher L.
REGISTRATION NUMBER: 31680
REFERENCE/DOCKET NUMBER: 2003-C
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US/08/091,519
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SOFTWARE: Patentin Release #1.24
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/091,51:
FILING DATE:
                                                                                                                                               Sequence 5, Application US/08091519
Patent No. 5350683
                                                                                                                                                                                                                                                                                                                                                          CORRESPONDENCE ADDRESS:
ADDRESSES: Immunex Corporation STREET: 51 University Street CITY: Seattle
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TELECOMMUNICATION INFORMATION TELEPHONE: 206-587-5570 TELEFAX: 206-233-0644
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             DNA (genomic)
2 CAACTCTTCGCGGT 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     3 AACTCTTCGCGGT 15
                                        23 caacrerredeegr 36
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Best Local Similarity 100.
Matches 13; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        LENGTH: 46 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: nucleic acid
STRANDEDNESS: sing
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             OPERATING SYSTEM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         linear
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Gaps
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PCT-US91-03478-5
; Sequence 5. Application PC/TUS9103478
; GENERAL INFORMATION:
    APPLICANT: Sims, John E.
    APPLICANT: Cosman, David J.
    APPLICANT: Lupton, Stephen D.
    APPLICANT: Dower, Steven K.
    TITLE OF INVENTION: Type II Interleukin-1 Receptors
    NUMBER OF SEQUENCES: 14
    CORRESPONDENCE ADDRESS:
    ADDRESSEE: Immunex Corporation
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Mismatches
                                                                              COMPUTER REDABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC COMPALIBLE
OPPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.24
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/442,043A
FILING DATE: 16-MAY-1995
CLASSIFICATION: 514
                                                                                                                                                                                                                                                                                         PRIOR APPLICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/534,193
FILING DATE: 05-UNN-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/573,576
FILING DATE: 24-ANG-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/627,071
FILING DATE: 13-DEC-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/701,415
FILING DATE: 16-MAY-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/091,519
FILING DATE: 12-ULY-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/242,211
FILING DATE: 13-MAY-1994
ATTORNEY/AGENT INFORMATION:
NAME: PERKING, PARTICIA A.
REGISTRATION NUMBER: 34,693
REGISTRATION NUMBER: 34,693
REGISTRATION NUMBER: 2003-F
TELECOMMUNICATION NUMBER: 2003-F
TELECOMMUNICATION NUMBER: 2003-F
TELEPHONE: 206-587-5570
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 E: Immunex Corporation
51 University Street
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100.08; Pit
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                13; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   46 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Best Local Similarity
Matches 13; Conserv
Seattle
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US-08-442-043A-5
                                              COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            65.0%; Score 13; DB 1; Length 46; 100.0%: Pred. No. 27;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Indels
                                                                           GENERAL INCORMATION:
APPLICANT: BECKMANN, M. P.
APPLICANT: BECKMANN, M. P.
APPLICANT: GOODWIN, RAIMOND G.
APPLICANT: GIRI, JUDITH G.
APPLICANT: GIRI, JUDITH G.
APPLICANT: ARMITAGE, RICHARD J.
TITLE OF INVENTION: CD27 LIGAND
NUMBER OF SEQUENCES: 10
CORRESPONDENCE ADDRESS:
ADDRESSER: IMMUNEX CORPORATION
STREET: 51 UNIVERSITY STREET
CITY: SEATTLE
STATE: WA
COUNTRY: USA
COUNTRY: USA
ZIP: 98101
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
COMPUTER: BEATHLE
SOFTWARE: DEACHLIN Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/106,507
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: Cosman, David J.
APPLICANT: Cosman, David J.
APPLICANT: Lupton, Stephen D.
APPLICANT: Mosley, Bruce A.
APPLICANT: Dower, Steven K.
TITLE OF INVENTION: Type II Interleukin-1 Receptors
NUMBER OF SEQUENCES: 19
CORRESPONDENCE ADDRESS:
ADDRESSE: Immunex Corporation
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CLASSIFICATION: 530

RRIOR APPLICATION DATA:
APPLICATION UNDER: US 07/941,648
FILING DATE: 08-SEP-1952
ATTORNEY/AGENT INFORMATION:
NAME: WIGHT, CHRISTOPHER L.
REFERENCE/DOCKET NUMBER: 2809-A
TELECHONE: 206-587-0430
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 5, Application US/08442043A
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51 University Street
                                    Sequence 7, Application US/08106507
Patent No. 5573924
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                MOLECULE TYPE: DNA (genomic)
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GENERAL INFORMATION:
APPLICANT: Sims, John E.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Best Local Similarity 100.
Matches 13; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              LENGTH: 46 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  JS-08-442-043A-5
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
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Gaps
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Sequence 60, Application US/08495743

Betent No. 565446

GENERAL INFORMATION:
APPLICANT: Thomas J. Cummins, Susan M. Atwood
APPLICANT: Thomas J. Cummins, Susan M. Atwood
APPLICANT: John W.H. Sutherland, Johnne H. Kerschner
APPLICANT: John W.H. Sutherland, Johnne H. Kerschner
TITLE OF INVENTION: DIAGNOSTIC COMPOSITIONS, ELEMENTS,
TITLE OF INVENTION: AMPLIFICATION AND DETECTION OF TWO
TITLE OF INVENTION: OR MORE TARGET DNA'S USING PRIMERS
TITLE OF INVENTION: HAVING MATCHED MELTING TEMPERATURES
NUMBER OF SEQUENCES: 65
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SIATE: New JOIN
COUNTRY: U.S.A.
ZIP: 14650 - 2201
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.5inch, 1.44 MB storage (IBM)
COMPUTER: Diskette, 3.5inch, 1.44 MB storage (IBM)
COMPUTER: IBM PS/2
COMPUTER: Diskette, 3.5inch, 1.44 MB storage (IBM)
COMPUTER: Diskette, 3.5inch, 1.44 MB
COMPUTER: Diskette, 3.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 20;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AUDRESSEE: Eastman Kodak Company, Patent Legal Staff STREET: 343 State Street CITY: Rochester STATE: New York
Patentin Release #1.0, Version #1.25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          4.1e+02;
                                                                                     CURKENT AFFILTON TOWN CONTROL OF THE CALL OF THE CONTROL OF THE CALL 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               55.0%; SCOT.
100.0%; Pre
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REGISTRATION NUMBER: 27,678
REPERENCE/DOCKET NUMBER: 6727
TELECOMMUNICATION INFORMATION:
TELEPHONE: (716) 722-9332
TELEPRAX: (716) 477-4646
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity 100.
Matches 11; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     10 CGCGGTGGCAG 20
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              linear
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US-08-495-743-60/c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US-08-473-020A-13
                SOFTWARE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ઠે
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APPLICANT: Hance, Allan J
APPLICANT: Grandchamp-Desraux, Bernard
APPLICANT: Grandchamp-Desraux, Bernard
APPLICANT: Grandchamp.
APPLICANT: Gicquel, Brigitte
APPLICANT: Gicquel, Brigitte
APPLICANT: Gicquel, Brigitte
TITLE OF INVENTION: applications to the synthesis or detection of nuclei
TITLE OF INVENTION: applications to the synthesis or detection of TITLE OF INVENTION: application as immunogenic compositions.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 46;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match 65.0%; Score 13; DB 5; Best Local Similarity 100.0%; Pred. No. 27; Matches 13; Conservative 0; Mismatches C
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             4 Embarcadero Center, Suite 3400
                                                                                                                                                                COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IEM PC compatible
COMPENTING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.24
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US91/03478
FILING DATE: 19910517
CLASSIFICATION DATA:
APPLICATION NUMBER: US 07/534,193
FILING DATE: 06-JUN-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/573,576
FILING DATE: 24-AUG-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/573,576
FILING DATE: 13-DEC-1990
ATTORNEY/AGENT INFORMATION:
REFERENCE/DOCKET NUMBER: 31680
REFERENCE/DOCKET NUMBER: 31680
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COMPUTER READABLE FORM:
WIDTUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US-08-473-020A-13/c
; Sequence 13, Application US/08473020A
; Patent No. 5877273
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Walter H. Dreger
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 46 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: NUCLEIC ACID
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NUMBER OF SEQUENCES:
CORRESPONDENCE ADDRESS
ADDRESSEE: Walter H
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  San Francisco
California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            linear
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STATE: Ca
COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PCT-US91-03478-5
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COUNTRY: U.S.A.

COUNTRY: U.S.A.

CONPUTER READABLE FORM:

MEDIUM TYPE: Diskette, 3.5inch, 1.44 MB storage (IBM)

COMPUTER: IBM FS/2

COMPUTER: IBM F
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        GENERAL INFORMATION:
APPLICANT: Thomas J. Cummins, Susan M. Atwood
APPLICANT: Lynn Bergmeyer, John B. Findlay
APPLICANT: John Bergmeyer, John B. Findlay
APPLICANT: John W. H. Sutherland, Johnne H. Kerschner
IITLE OF INVENTION: DIAGNOSTIC COMPOSITIONS, ELEMENTS,
ITTLE OF INVENTION: METHODS AND TEST KITS POR
ITTLE OF INVENTION: AMPLIFICATION AND DETECTION OF TWO
ITTLE OF INVENTION: AMPLIFICATION MAD DETECTION OF TWO
ITTLE OF INVENTION: HAVING MATCHED MELTING FEMPERATURES
NUMBER OP SEQUENCES: 65
CORRESPONDENCE ADDRESS:
ADDRESSEE: Eastman Kodak Company, Patent Legal Staff
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     55.0%; Score 11; DB 1; Length 30; 100.0%; Pred. No. 4.1e+02;
                                                                                                                                                                                                                                                               55.0%; Score 11; DB 1; Length 30; 100.0%; Pred. No. 4.1e+02; ive 0; Mismatches 0; Indels
                                                  Synthetically prepared
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          : Synthetically prepared
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               inMEDIATE SOURCE: Same
PUBLICATION INFORMATION: Unknown
US-08-495-741-60
                                         ORIGINAL SOURCE: Synthetically pr
IMMEDIATE SOURCE: Same
FUBLICATION INFORMATION: Unknown
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 60, Application US/08495741
Patent No. 5733751
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     STREET: 343 State Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        30 nucleotides
                                                                                                                                                                                                                                                                                                                 Best Local Similarity 100.
Matches 11; Conservative
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STRANDEDNESS: Single
                                                                                                                                                                                                                                                                                                                                                                                                                                                      10 CGCGGTGGCAG 20
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ORIGINAL SOURCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RESULT 11
US-08-495-741-60/c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             HYPOTHETICAL:
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US-08-495-739-60/c

Sequence 60, Application US/08495739

Patent No. 5702901

GENERAL INFORMATION:
APPLICANT: Thomas J. Cummins, Susan M. Atwood
APPLICANT: Lynn Bergmeyer, John B. Findlay
APPLICANT: Lynn Bergmeyer, John B. Findlay
APPLICANT: Lynn Bergmeyer, John B. Findlay
TITLE OF INVENTION: METHODS AND TEST KITS FOR
TITLE OF INVENTION: METHODS AND TEST KITS FOR
TITLE OF INVENTION: MAPLIFICATION AND DETECTION OF TWO
TITLE OF INVENTION: HAVING MATCHED MELTING TEMPERATURES
NUMBER OF SEQUENCES: 65
CORRESPONDENCE ADDRESS:
ADDRESSEE: Bastman Kodak Company, Patent Legal Staff
STREET: 343 State Street
CITY: Rochester
STATE: New York
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 30;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0; Indels
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COUNTRY: U.S.A.
ZIP: 14650 - 2201
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.5inch, 1.44 MB storage (IBM)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match 55.0%; Score 11; DB 1; Le Best Local Similarity 100.0%; Pred. No. 4.1e+02; Matches 11; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      COMPUTER: INTERFECE, 3.510CD, 1.44 MB COMPUTER: IRM PG.2 SOPTAMES: PC-8 (Word for Windows) SOFTAMES: US/08/495,739 FLING DATE: US/08/495,739 FLING DATE: US/08/062,023 FLING DATE: US/08/062,023 FLING DATE: US/08/062,023 FLING DATE: US/08/062,023 FLING DATE: US/08/1093 ATTORNEY/AGENT INFORMATION: NAME: TUCKET, J. Lanny REGISTRENCE/DOCKET NUMBER: 67271A TELECOMMUNICATION INFORMATION: TELECOMMUNICATION INFORMATION: TELECOMMUNICATION INFORMATION: TELECOMMUNICATION INFORMATION: SOFTAMES SOFT
                                                                                                                                                                                                                                                                                                                                                                                                                                    ; ORIGINAL SOURCE: Synthetically prepared ; IMMEDIATE SOURCE: Same ; PUBLICATION INFORMATION: Unknown US-08-495-743-60
                                                                                                                                                           STRANDEDNESS: Single
TOPOLOGY: Linear
MOLECULE TYPE: Probe for Mycobacterium
MOLECULE TYPE: avium DNA
HYPOTHETICAL: No
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                                                                         LENGTH: 30 nucleotides
TYPE: Nucleic acid
STRANDEDNESS: Single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 30 nucleotides
INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS
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STRANDEDNESS: Single
TOPOLOGY: Linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 10 CGCGGTGGCAG 20
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Matches

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Patent No. 576505
GENERAL INFORMATION:
APPLICANT: Studier, F. W.
APPLICANT: Rosenberg, Alan H.
APPLICANT: ROSENBERG: 70
NUMBER OF SEQUENCES: 70
CORRESPONDENCE ADDRESS:
ADDRESSEE: Brookhaven National Laboratory
STREET: Building 902C
CITY: Upton
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              GENERAL INFORMATION:
APPLICANT: Schatz, Peter J.
APPLICANT: Cull, Millard G.
APPLICANT: Miller, Jeff F.
TITLE OF INVENTION: Peptide Library and Screening Method
NUMBER OF SEQUENCES: 78
CORRESPONDENCE ADDRESS:
ADDRESSEE: ANIlliam M. Smith
STREET: One Market Plaza, Steuart Tower, Suite 2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 38;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/778,233B
FILING DATE: 1991016
                                                                                                                                                                                                                                                                                                ZIP: 11973
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOPTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/664,449
FILING DATE: 17-June-1996
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match 55.0%; Score 11; DB 1; Best Local Similarity 100.0%; Pred. No. 4.1e+0 Matches 11; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ZIP: 94105
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 3, Application US/07778233B Patent No. 5270170
Application US/08664449
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ATTORNEY/AGENT INFORMATION:
NAME: Bogosian, Margaret
REGIETRATION NUMBER: 25,324
REFRENCE/DOCKET NUMBER: AUI-
TELECOMMUNICATION INFORMATION:
TELEPHONE: (516) 344-7338
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        , MOLECULE TYPE: DNA (genomic) US-08-664-449-61
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TELEFAX: (516) 344-3729
INFORMATION FOR SEQ ID NO: 6
SEQUENCE CHARACTERISTICS:
LENGTH: 38 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             10 CGCGGTGGCAG 20
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CITY: San Francisco
STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                SD
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                                                                                                                                                                                                                                                                             COUNTRY:
         Sequence 61,
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         Gaps
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MEDIUM TYPE: 14650 - 2201

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette, 3.5inch, 1.44 MB storage (IBM)

COMPUTER: IBM PS/2

OPERATING SYSTEM: MS-DOS Version 3.3

SOFTWARE: PC-8 (Word for Windows)

CURRENT APPLICATION DATA:

APPLICATION UNMBER: US/08/062,023

FILING DATE: 19930514

CLASSIFICATION DATA:

APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 30;
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                                                                                                                                                                                                               Sequence 60, Application US/08062023
Sequence 60, Application US/08062023
Patent No. 6174668
GENERAL INFORMATION:
APPLICANT: Inhomas J. Cummins, Susan M. Atwood
APPLICANT: Lynn Bergmeyer, John B. Findlay
APPLICANT: Lynn Bergmeyer, John B. Findlay
APPLICANT: Lynn Bergmeyer, John B. Findlay
APPLICANT: Unn Bergmeyer, John B. Findlay
TITLE OF INVENTION: DIAGNOSTIC COMPOSITIONS, ELEMENTS,
TITLE OF INVENTION: APPLICATION AND DETECTION OF TWO
TITLE OF INVENTION: OR MORE TARGET DNA'S USING PRIMERS
TITLE OF INVENTION: HAVING MATCHED MELTING TEMPERATURES
         Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADDRESSEE: Eastman Kodak Company, Patent Legal Staff
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0
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           Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ANTI-SENSE: No
ORIGINAL SOURCE: Synthetically prepared
OMEDIATE SOURCE: Same
PUBLICATION INFORMATION: Unknown
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      MOLECULE TYPE: Probe for Mycobacterium MOLECULE TYPE: avium DNA HYPOTHETICAL: No
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          IELEPHONE: (716) 722-9332
TELEPHONE: (716) 477-4646
INFORMATION FOR SEQ ID NO: 60:
SEQUENCE CHARACTERISTICS:
LENGTH: 30 nucleotides
TYPE: NUCLEIC ACID
STRANDEDNESS: Single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ATTORNEY/AGENT INFORMATION:
NAME: Tucker, J. Lanny,
REGISTRATION NUMBER: 27,678
REFERENCE/DOCKET NUMBER: 672
TELECOMMUNICATION: INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          343 State Street
                                                                                                                                                                                                                                                                                                                                                     TITLE OF INVENTION: DIRC
TITLE OF INVENTION: METH
TITLE OF INVENTION: AMP
TITLE OF INVENTION: OR N
TITLE OF INVENTION: HAVI
NUMBER OF SEQUENCES: 65
CORRESPONDENCE ADDRESS:
              Conservative
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                                                         10 CGCGGTGGCAG 20
                                                                                        21 CGCGGTGGCAG 11
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US-08-664-449-61/c
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US-08-062-023-60/c
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              11;
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Patent No. 533865
GENERAL INPORMATION:
PAPLICANT: Schaz, Peter J.
APPLICANT: Cull Milard G.
APPLICANT: Miller, Jeff F.
APPLICANT: Schemer, Willem P.C.
ITTLE OF INVENTION: Peptide Library and Screening Method NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESS:
ADDRESSER: William M. Smith
STREET: One Market Plaza, Steuart Tower, Suite 2000
STATE: California
COUNTY: San Francisco
STATE: California
COUNTY: USAN FRANCE COMPABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM FC COMPABLE
COMPUTER: Batentin Release #1.0, Version #1.25
CURASIFICATION NUMBER: US/07/963,321
FLILMS DATE: 18-07-1991
ATTORNEY/AGENT INFORMATION:
APPLICATION NUMBER: US/07/78,223
FRICH SMITH, William M.
REGISTRATION NUMBER: 11509-50-1
TELEPHONE: A15-326-2420
INFORMATION FOR SEQ ID NO: 3:
SEGUENCE CHARACTERISTICS:
LEMENT: NUCLEI ACID
STRANDENESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match 50.0%; Score 10; DB 1; Length 11; Best Local Similarity 100.0%; Pred. No. 1.6e+03; Matches 10; Conservative 0; Mismatches 0; Indels
                   NAME: Smith, William M.
REGISTRATION NUMBER: 30,223
REFERENCE/DOCKET NUMBER: 11509-50
TELEPHONE: 415-126-2400
TELEPHONE: 415-326-2400
TELEPHONE: 415-326-3400
TELEPHONE: 415-326-3400
TELEPHONE: 415-326-3400
                                                                                                                                                                                                                                                                                                                     TOPOLOGY: linear

MOLECULE TYPE: DNA (genomic)

US-07-778-233B-3
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MOLECULE TYPE: DNA (genomic)
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             10 CGCGGTGGCA 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-07-963-321-3/c
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50.0%; Score 10; DB 1; Length 11;

Query Match

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      Best Local Similarity 100.0%; Pred. No. 1.6e+03;

      Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

      Qy 10 CGCGGTGGCA 19

      Db 10 CGCGTGGCA 1

      Db 10 CGCGTGGCA 1

      Search completed: June 23, 2003, 10:17:06

      Job time: 32.3147 secs
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5, Appli
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                                                                                                                                                                                                                                                                                          Sequence 99917, Sequence 106052, Sequence 118620, Sequence 118620, Sequence 5, Appl. Sequence 5, Appl.
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Sequence 5, Al
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Sequence
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Lubton, Stephen D.
Moal-ay, Bruce A.
Dower, Steven K.
TITLE OF INVENTION: Type II Interleukin-1 Receptors
CORRESPONDENCES: 14
US-10-215-112-11414
US-110-098-263B-26951
US-110-098-263B-42033
US-110-098-263B-42033
US-110-098-263B-89453
US-110-098-263B-89453
US-110-098-263B-89454
US-110-098-263B-99654
US-110-098-263B-99654
US-110-098-263B-99655
US-110-098-263B-1088B1
US-110-098-263B-118620
US-110-098-263B-118620
US-10-098-263B-118620
US-09-884-498-9
US-09-882-478-5
US-09-882-478-9
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US-09-825-245-9
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FILING DATE: «Unknown»
APPLICATION NUMBER: US/08/091,519
FILING DATE: «Unknown»
APPLICATION NUMBER: US/07/701,415
FILING DATE: «Unknown»
APPLICATION NUMBER: US 07/534,193
FILING DATE: 06-UNN-1990
APPLICATION NUMBER: US 07/573,576
FILING DATE: 24-AUG-1990
APPLICATION NUMBER: US 07/573,576
FILING DATE: 13-DEC-1990
APTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PSTECHIIN Release #1.24
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/199,209
FILING DATE: 19-011-2002
CLASSIFICATION: CURKNOWN>
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ALIGNMENTS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADDRESSEE: Immunex Corporation
STREET: 51 University Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 5, Application US/10199209
Publication No. US2003006016A1
GENERAL INFORMATION:
APPLICANT: Sims, John E.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CITY: Seattle
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COUNTRY: USA
     US-10-199-209-5
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                                                                                                                                                                                                            (without alignments)
182.610 Million cell updates/sec
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score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.
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                                                                                                                                                                                 June 23, 2003, 06:41:29 ; Search time 160.717 Seconds
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Compugen Ltd.
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US-10-098-263B-31566
US-09-940-185-2094
US-10-098-263B-97446
US-10-098-263B-11352
US-10-098-263B-1129624
US-08-961-888-12
US-10-002-304-29
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US-09-487-318-11
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US-09-971-894-12
US-09-909-849-17
US-09-853-526-420
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US-09-930-251-17
US-09-930-251-18
US-10-077-894-20
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1042519 segs, 733713590 residues
                             GenCore version
Copyright (c) 1993 - 2003
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                                                                                                                           OM nucleic - nucleic search, using sw model
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Gapop_60.0 , Gapext 60.0
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20
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Match Length
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                                                                                                                                                                                                                                                                                                                                          Sequence:
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Sequence 110352, Application US/10098263B

Publication No. US20030104410A1

GENERAL INFORMATION:

APPLICANT: Mittman, Michael

TITLE OF INVENTION: Human Microarray

FILE REFERENCE: 3118.1

CURRENT APPLICATION NUMBER: US/10/098,263B

CURRENT PILING DATE: 2003-01-08

PRIOR FILING DATE: 2001-01.6

NUMBER OF SEQ ID NOS: 131066

SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1

LENGTH: 25
                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 97446, Application US/10098263B
; Publication No. US20030104410A1
; GENERAL INFORMATION:
; APPLICANT: Mittman, Michael
; TILE OF INVENTION:
; FILE REFERENCE: 3118.1
; CURRENT APPLICATION NUMBER: US/10/098,263B
; CURRENT APPLICATION NUMBER: 05/276,759
; PRIOR PILING DATE: 2001-03-16
; NUMBER OF SEQ ID NOS: 131066
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 97446
; LENTIN: 25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                55.0%; Score 11, DB 9; Length 25; 100.0%; Pred. No. 1.4e+03; ive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 25;
                                                                                                                                                                       Length 24;
                                                                                                                                                                                                                  Indels
                                    TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
PETATURE:
CHER INFORMATION: Computer Generated Probe Sequence.
US-09-940-185-2094
                                                                                                                                                                       DB 9; Le
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Pred. No.
                                                                                                                                                         55.0%; Scc...
100.0%; Pred
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Best Local Similarity 100.
Matches 11; Conservative
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Best Local Similarity 100.
Matches 11; Conservative
                                                                                                                                                                       Query Match
Best Local Similarity 100.
Matches 11, Conservative
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ORGANISM: Homo sapien
US-10-098-263B-110352
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CORGANISM: Homo sapien
US-10-098-263B-97446
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US-10-098-263B-97446
SEQ ID NO 2094
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TITLE OF INVENTION: Human Microarray
FILE REFERENCE: 31181
CURRENT APPLICATION NUMBER: US/10/098,263B
CURRENT FILING DATE: 2003-01-08
FRIOR APPLICATION NUMBER: 60/276,759
PRIOR FILING DATE: 2001-03-16
NUMBER OF SEQ ID NOS: 131066
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: Gunderson, Kevin
APPLICANT: Gunderson, Kevin
TITLE OF INVENTION: Probes and Decoder Oligonucleotides
TITLE OF INVENTION: Probes and Decoder Oligonucleotides
CURRENT APPLICATION NUMBER: US/09/940,185
CURRENT APPLICATION NUMBER: US 60/227,948
PRIOR FILING DATE: 2000-08-25
PRIOR FILING DATE: 2000-08-25
PRIOR FILING DATE: 2000-08-29
NUMBER OF SEQ ID NOS: 4768
SOFTWARE: Patentin version 3.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match 60.0%; Score 12; DB 9; Length 25; Best Local Similarity 100.0%; Pred. No. 3.5e+02; Matches 12; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                Query Match 65.0%; Score 13; DB 9; Length 46; Best Local Similarity 100.0%; Pred. No. 81; Matches 13; Conservative 0; Mismatches 0; Indels
NAME: Wight, Christopher L. REGISTRATION NUMBER: 31680 REFERENCE/DOCKET NUMBER: 2003-C TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                       TOPOLOGY: linear

MOLECULE TYPE: DNA (genomic)

HYPOTHETICAL: N

ANTI-SENSE: N

SEQUENCE DESCRIPTION: SEQ ID NO: 5:
US-10-199-209-5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-10-098-263B-31566
; Sequence 31566, Application US/10098263B
; Publication No. US20030104410A1
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 2094, Application US/09940185
Publication No. US20030096239A1
GENERAL INFORMATION:
                                                                                           TELEPHONE: 206-587-5570
                                                                                                         TELEFRA: 206-233-6644
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 46 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            3 AACTCTTCGCGGT 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   25 AACTCTTCGCGGT 37
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ; ORGANISM: Homo sapien
US-10-098-263B-31566
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1.ENGTH: 25
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APPLICANT: Herrmann, John
TITLE OF INVENTION: No. US20030032095Alel Nucleic Acid Sequences Encoding Human Semaire Reference: 15966-554 Cura-54 CON-S14
CURRENT APPLICATION NUMBER: US/10/002,050
CURRENT FILING DATE: 2001-11-02
PRIOR APPLICATION NUMBER: 09/604,286
PRIOR PILING DATE: 2000-06-22
PRIOR PILING DATE: 1999-06-22
PRIOR PILING DATE: 1999-06-23
NUMBER OF SEQ ID NOS: 49
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 29
LENGTH. 36
                                                                                                        Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     OTHER INFORMATION: Description of Artificial Sequence: chemically OTHER INFORMATION: synthesized
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                                                            55.0%; Score 11; DB 8; Length 36; 100.0%; Pred. No. 1.4e+03; tive 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: Fernandes, Elma APPLICANT: Vernet, Corine APPLICANT: Vernet, Corine APPLICANT: Vang, Meijia APPLICANT: Boldog, Ferenc APPLICANT: Boldog, Ferenc APPLICANT: Hermann, John TITLE OF INVENTION: Polynuclectides and poly FILE REPRENCE: 15966-554 Cura-54 CON-58 CURRENT APPLICATION NUMBER: US/10/02,304 CURRENT FILING DATE: 2001-11-02 PRIOR PRILING DATE: 2000-66-22 PRIOR FILING DATE: 2000-66-22 PRIOR FILING DATE: 1999-06-23 NUMBER OF SEQ ID NOS: 49 SEQ ID NO 29
                                                                                                                                                                                                                                                                                               ; Sequence 29, Application US/10002050; Publication No. US20030032095A1; GENERAL INFORMATION: APPLICANT: Shimkete, Richard
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              sequence 29, Application US/10002304; Publication No. US20030036185A1; PENERAL INFORMATION: APPLICANT: Shimkete, Richard
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: DNA ORGANISM: Artificial Sequence
                                        Query Match
Best Local Similarity 100.
                                                                                                                                                                                                                                                                                                                                                                                         Fernandes, Elma
                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: Vernet, Corine
APPLICANT: Yang, Meijia
APPLICANT: Boldog, Ferenc
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                                                                                                                                                 5 CTCTTCGCGGT 15
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TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RESULT 9
US-10-002-304-29
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US-10-002-050-29
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US-08-961-888-12
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Sequence 12, Application US/08961888

Patent No. US20010016351A1

GENERAL INFORMATION:

APPLICANT: Padgett, Kerstien

APPLICANT: Padgett, Kerstien

TITLE OF INVENTION: No. US20010016351A1e1 Vector For Gene Expression

TITLE OF INVENTION: In Prokaryotic And Eukaryotic Systems

TURBESSEE: Howrey & Simon
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ö
                                                                                                                            APPLICANT: Mittman, Michael
APPLICANT: Mittman, Michael
TITLE OF INVENTION: Human Microarray
FILE REFERENCE: 3118.1
CURRENT APPLICATION: NUMBER: US/10/098,263B
CURRENT FILING DATE: 2001-03-01-08
PRIOR FILING DATE: 2001-03-16
NUMBER OF SEQ ID NOS: 131066
SOFTWARE: Microarray Probe Sequence Libting Generator V 1.1
LENGTH: 25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 25;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             .4e+03;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADDRESSEE: Howrey & Simon
STREET: 1299 Pennsylvania Avenue, N.W.
CITY: Washington
STATE: CC
COUNTRY: USA
ZIP: 20004-2402
COMPUTER: READMALE PORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/961,888
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 11; DB 9;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0; Mismatches
                                                                           Sequence 129624, Application US/10098263B Publication No. US20030104410A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NAME: Auerbach, Jeffrey I
REGISTRATION NUMBER: 32,680
REPRENCE/DOCKET NUMBER:
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202 383-7451
TELEFAX: 202 383-6610
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       55.0%;
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INFORMATION FOR SEQ ID NO: 1.
SEQUENCE CHARACTERISTICS:
LENGTH: 36 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match 55.0
Best Local Similarity 100.
Matches 11; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 CCAACTCTTCG 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    9 CCAACTCTTCG 19
                                                                                                                                                                                                                                                                                                                                                                                                    ; ORGANISM: Homo sapien
US-10-098-263B-129624
                                                     -10-098-263B-129624
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          FILING DATE:
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Gaps
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; Patent No. US20020106754A1
; GENERAL INFORMATION:
APPLICANT: Tauch, Andreas
; TITLE OF INVENTION: Nucleotide Sequences Which Code for the alr Gene
; FILE REPERBRE: 032301 WD 173
; CURRENT APPLICATION NUMBER: US/09/909,849
; CURRENT FILING DATE: 2001-07-23
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: Patentin version 3.1
; LENGTH: 20
                                                                                                                                                                                                                                                                          Query Match 50.0%; Score 10; DB 9; Length 20; Best Local Similarity 100.0%; Pred. No. 6.1e+03; Matches 10; Conservative 0; Mismatches 0; Indels
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6.1e+03;
                                                                                                                                                                                                    ; OTHER INFORMATION: Synthetic oligonucleotide US-09-971-894-12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match 50.0%; Score 10; DB Best Local Similarity 100.0%; Pred. No. 6.1 Matches 10; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: Cohen, Daniel
APPLICANT: Cohen, Daniel
APPLICANT: Cohen, Daniel
APPLICANT: Blumenfeld, Marta
APPLICANT: Blumenfeld, Marta
APPLICANT: Blugueleret, Lydie
TITLE OF INVENTION: PROSTATE CANCER GENE
FILE REFERENCE: GENEST: 18CPLCP
CURRENT APPLICATION NUMBER: US/09/653,526
CURRENT FILING DATE: 2001-05-11
PRIOR APPLICATION NUMBER: 08/996,306
PRIOR PLILNG DATE: 1999-06-23
PRIOR PLILNG DATE: 1997-12-22
PRIOR APPLICATION NUMBER: 60/099,658
PRIOR PLILNG DATE: 1998-09-09
PRIOR PLILNG DATE: 1998-12-22
PRIOR APPLICATION NUMBER: 09/218,207
PRIOR PLILNG DATE: 1998-12-22
NUMBER OF SEQ ID NOS: 578

    TYPE: DNA
    ORGANISM: Corynebacterium glutamicum
US-09-909-849-17

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PRIOR FILING DATE: 1999-12-27
NUMBER OF SEQ ID NOS: 42
SOFTWARE: Patentin version 3.1
SEQ ID NO 12
LENGTH: 20
                                                                                                                              TYPE: DNA ORGANISM: Artificial sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      11 GCGGTGGCAG 20
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US-09-909-849-17
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                                                                                                                                                                               FEATURE:
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APPLICANT: Gur-Arie, Riva
APPLICANT: Gur-Arie, Riva
APPLICANT: Gur-Arie, Riva
APPLICANT: Gohen, CYIII
APPLICANT: Bitan, Yuval
APPLICANT: Bitan, Yuval
APPLICANT: Bitan, Yuval
APPLICANT: Hallerman, Exic
CURRENT APPLICATION NUMBER: US/09/971,894
CURRENT FILING DATE: 1999-12-27
PRIOR APPLICATION NUMBER: US 09/472,035
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: Yang, Meijia
APPLICANT: Boldog, Ferenc
APPLICANT: Boldog, Ferenc
TITLE OF INVENTION: No. US20020151494A1el Amino Acid Sequences for Human Semaphorin-L
FILE REFERENCE: 15966-554 Cura-54 CON-812
CURRENT PELLOATION NUMBER: US/10/003,152
CURRENT FILING DATE: 2001-11-02
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                                                                                                       ; OTHER INFORMATION: Description of Artificial Sequence: chemically; OTHER INFORMATION: synthesized US-10-002-304-29
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            OTHER INFORMATION: Description of Artificial Sequence:chemically CTHER INFORMATION: synthesized US-10-003-152-29
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1.4e+03;
                                                                                                                                                                                                                                                        0; Indels
                                                                                                                                                                                                                                                          0; Mismatches
                                                                                                                                                                                                         55.0%; Score 11; 100.0%; Pred. No.
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PRIOR APPLICATION NUMBER: 09/604,286
PRIOR FILING DATE: 2000-06-22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PRIOR APPLICATION NUMBER: 60/140,584 PRIOR FILING DATE: 1999-06-23 NUMBER OF SEQ ID NOS: 49 SOFTWARE: Patentin Ver. 2.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 12, Application US/09971894 Publication No. US20030044804A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 29, Application US/10003152
Patent No. US20020151494A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: DNA
ORGANISM: Artificial Sequence
                                 TYPE: DNA ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: Shimkets, Richard
APPLICANT: Fernandes, Elma
APPLICANT: Vernet, Corine
                                                                                                                                                                                                    Query Match
Best Local Similarity 100.0
Matches 11, Conservative
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Best Local Similarity 100.
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US-09-971-894-12/c
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APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
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          LENGTH: 36
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US-09-487-318-11
                                                                                                        SEQ ID NO 11
LENGTH: 22
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                                                              LOCATION: (1). (21) OWNStream amplification primer for SEQ 257, SEQ 334
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APPLICANT: Cohen, Daniel
APPLICANT: Chumakov, 11ya
APPLICANT: Chumakov, 11ya
APPLICANT: Chumakov, 11ya
APPLICANT: Chumakov, 11ya
APPLICANT: Edugueleret, Lydie
TITLE OF INVENTION: Proetate Cancer Gene
FILE REFERENCE: GEN-T111XC3D2
CURRENT APPLICATION NUMBER: US 09/991, 484A
CURRENT FILING DATE: 12997-12-22
PRIOR APPLICATION NUMBER: US 09/996, 306
PRIOR PILING DATE: 1998-09-09
PRIOR PRILING DATE: 1998-09-09
PRIOR PRILING DATE: 1998-09-09
PRIOR FILING DATE: 1999-06-23
PRIOR PILING DATE: 1999-06-23
PRIOR PILING DATE: 1999-06-23
PRIOR PILING DATE: 1999-06-33
PRIOR PILING DATE: 1999-06-33
PRIOR PILING DATE: 1999-06-33
PRIOR PILING DATE: 1998-09-33
PRIOR PILING DATE: 1998-09-33
PRIOR PILING DATE: 1998-06-33
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APPLICANT: Reid, Lola M
APPLICANT: Nicholas, Moss
APPLICANT: Hiroshi, Kubota
TITLE OF INVENTION: Human Liver Progenitors
FILE REFERENCE: 212875-00101
CURRENT APPLICATION NUMBER: US/09/487,318
PRIOR APPLICATION NUMBER: US 60/116,331
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            3.09-901-484A-420
Sequence 420, Application US/09901484A
Patent No. US20020119460A1
GENERAL INFORMATION:
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; Sequence 11, Application US/09487318
; Publication No. US20020182188A1
; GENERAL INFORMATION:
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ORGANISM: Homo Sapiens
FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: DNA
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NAME/KEY: misc feature
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| PRIOR FILING DATE: 2000-01-19 |
| NUMBER OF SEQ ID NOS: 14 |
| SEQ ID NO 11 |
| ENGTH: 22 |
| TENGTH: 22 |
| TORGANISM: Home sapiens |
| ORGANISM: Home sa
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Run on:

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
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Match Length
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No.
                                                  June 23, 2003, 05:20:00 ; Search time 1677.45 Seconds (without alignments) 299.770 Million cell updates/sec
                                                                                                                                                                                                                                            12114646
GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.
                                                                                                                                                     24791104 segs, 12571243825 residues
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                                 nucleic search, using sw model
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                                                                                                        CCAACTCTTCGCGGTGGCAG 20
                                                                                                                          OLIGO_NUC
Gapop_60.0 , Gapext 60.0
                                                                                    US-08-770-564A-7
20
                                                                                                                                                                                                          seq length: 0
seq length: 50
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                                                                                      Title:
Perfect score:
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Maximum DB e
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                                                                                                         Sequence:
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Database

Sequence 5, Appli Sequence 5, Appli Sequence 14041, A Sequence 14041, A Sequence 6083, Ap Sequence 112404,

Sequence 15, Sequence 7, Al Sequence 5, Al Sequence 5, Al

PCT-US97-23619-5 1 US-08-770-564A-5 1 US-08-770-564A-5 1 US-09-956-604A-105231 5 US-09-956-604B-105231 5 US-09-956-604B-105231 US-08-234-049-86453 US-08-231-634-15 US-07-941-648-7 US-08-441-893A-5 US-08-441-893A-5 US-09-461-908-5 US-09-461-908-5 US-09-461-908-5 US-07-941-648-7 US-08-41-893A-5 US-09-41-893A-5 US-09-41-99-209-5 US-01-199-209-5 US-01-199-209-5

111 336 336 41 118 118

Sequence 235506 Sequence 235507

US-10-227-563-14041 US-09-660-220-6083 US-09-660-220-112414 US-09-660-220-112414 US-09-956-584-235506 US-09-956-584-235507

Sequence 5, Appli Sequence 105231, Sequence 105231, Sequence 105231, Sequence 86453,

Sequence 7, Sequence 7 Sequence 5,

Description

SUMMARIES

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Gaps

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us-08-770-564a-7.oligo.rnpm

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Sequence 7, Application US/08770564A

GENERAL INFORMATION:
APPLICANT: Realey, James T.
APPLICANT: Weinrich, Scott L.
TITLE OF INVENTION: Inhibitory Polynucleotides Directed
TITLE OF INVENTION: Inhibitory RNA Component of Telomerase
NUMBER OF SEQUENCES: 15
CORRESPONDENCE ADDRESS:
ADDRESSEE: TOWNSEND and TOWNSEND and CREW LLP
STREET: TWO Embarcadero Center, 8th Floor
CITY: San Francisco
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         100.0%; Score 20; DB 11; Length 20; 100.0%; Pred. No. 0.2;
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Best Local Similarity 100.0%; Pred. No. 0.2;
Matches 20; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COUNTEY: USA

ZIP: 94111

COMPUTER READABLE FORM:
MEDIUW TYPE: FLOPPY disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/770,564A
FILING DATE: 20-DEC-1996
CLASSIFICATION: 5.14
ATTORNEY/AGENT INFORMATION:
NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
REFERBNCE/POCKET NUMBER: 015389-002200US
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0; Mismatches
                                                                                                                                                                                                                  ; LOCATION: 1..20
; OTHER INFORMATION: /note= "oligo 16bc"
PCT-US97-23619-7
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 base pairs
LENGTH: 20 base pairs
                               TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: nucleic acid
STRANDEDNESS: sing
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TOPOLOGY: linear MOLECULE TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity
Matches 20; Conserv
                                                                                         TOPOLOGY: linear MOLECULE TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CA
USA
                                                                                                                                                                         NAME/KEY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           RESULT 3
PCT-US97-23619-5
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US-08-770-564A-7
                                                                                                                                                         FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               셤
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APPLICANT:
                                      Sequence Sequence
                                                                                                                                  Sequence Sequence 3
                                                                                                   Sequence
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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM FC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US97/23619
FILING DATE: NOT yet assigned
CLASSIFICATION:
      7 US-60-232-638-71218

7 US-60-233-620-2716

7 US-60-234-017-248486

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7 US-60-234-017-248492

9 US-60-335-987-164100

9 US-60-353-987-205836

9 US-60-353-987-230113

9 US-60-353-987-23113

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US-07-748-564A-64
US-08-473-020-13
US-09-861-159-14
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PRIOR APPLICATION NUMBER: US 08/770,564
FILING DATE: 20-DEC-1996
FILING DATE: 20-DEC-1996
ATTORNEY, AGENT INFORMATION:
NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
REFERENCE/DOCKET. NUMBER: 15389-27PC
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEPHONE: (415) 576-0300
TELEPHONE: (415) 576-0300
TELEPHONE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ALIGNMENTS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 7, Application PC/TUS9723619 GENERAL INFORMATION:
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PCT-US97-23619-7
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Gaps

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Indels

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Gaps
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APPLICANT: Mittmann, Michael
TITLE OF INVENTION: Methods of Genetic Analysis of Escherichia coli
FILE REFERENCE: 3117.1
CURRENT APPLICATION NUMBER: US/09/956,604
CURRENT FILING DATE: 2001-09-19
FRIOR FILING DATE: 2000-09-19
RNIOR FILING DATE: 2000-09-19
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 105231
LENGTH: 25
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Pred. No. 3;
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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC Compatible
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/770,564A
FILING DATE: 20-DEC-1996
CLASSIFICATION: 514
ATTONEY/AGENT INFORMATION:
NAME: Storella, John R:
REGISTRATION NUMBER: 32,944
REGISTRATION NUMBER: 32,944
REBERNICE/DOCKET NUMBER: 015389-002200US
TELECHOMMUNICATION INFORMATION:
TELEPRAK: 415-576-0200
    3: TOWNSEND and TOWNSEND and CREW LLP
Two Embarcadero Center, 8th Floor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Mismatches
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100.0%; Pre
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Best Local Similarity 100.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TELEPAX: 415-576-0300
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 30 base pairs
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STRANDEDNESS: single
TOPOLOGY: linear
                      STREET: 1wo ....
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        MOLECULE TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RESULT 5
US-09-956-604-105231/c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        US-09-956-604-105231
                                                                                                                      94111
    ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US-08-770-564A-5
                                                                                                COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     셤
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                                                                                                                                                                                      Methods for Detecting and Inhibiting the RNA Component of Telomerase
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APPLICANT: Pruzan, Ron
APPLICANT: Pruzan, Ron
TITLE OF INVENTION: Inhibitory Polynucleotides Directed
TITLE OF INVENTION: Against the RNA Component of Telomerase
NUMBER OF SEQUENCES: 15
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match .100.0%; Score 20; DB 1; Length 30; Best Local Similarity 100.0%; Pred. No. 0.2; Matches 20; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                              ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: EL POPPY disk
COMPUTER: IEM PC.COMPATIble
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PAtentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US97/23619
FILLING DATE: Not yet assigned
CLASSIPICATION:
                                                                                                                                  APPLICANT:
APPLICANT:
APPLICANT:
TITLE OF INVENTION: Methods for Detecting and Inhil
TITLE OF INVENTION: RNA Component of Telomerase
NUMBER OF SEQUENCES: 29
CORRESPONDENCE ADDRESS:
ADDRESSE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/770,564
FILING DATE: 20-DEC-1996
PRIOR APPLICATION NUMBER: US 08/770,565
FILING DATE: 20-DEC-1996
APPLICATION NUMBER: US 08/770,565
ATTOMEY AGENT INFORMATION:
NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 15389-27PC
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           LOCATION: 1..30

GYHER INFORMATION: /note= "oligo 16"
PCT-US97-23619-5
Sequence 5, Application PC/TUS9723619 GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 CCAACTCTTCGCGGTGGCAG 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TELEPHONE: (415) 576-0200
TELEPAX: (415) 576-0300
INPORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 30 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  MOLECULE TYPE: DNA PEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NAME/KEY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-08-770-564A-5
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0; Indels
                   Indels
                                                                                                                                                                                                                                                                                                                                                                                                    ADDRESSEE: Townsend and Townsend and Crew
STREET: One Market Plaza, Steuart Tower, Suite 2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SOFTWARE: Patentin Release #1.0, Version #1.25 CURRENT APPLICATION DATA:
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                                                                                                                                                                                                 Sequence 15, Application US/08521634
GENERAL INFORMATION:
APPLICANT: Villeponteau, Bryant
APPLICANT: Feng, Junil
APPLICANT: Funk, Walter
APPLICANT: Funk, Walter
TITLE OF INVENTION: Mammalian Telomerase
NUMBER OF SEQUENCES: 66
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                100.0%; Pred. ... 0; Mismatches
red. No. 3;
Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 REFERENCE/DOCKET NUMBER: 15389-000850
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-326-2400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICATION NUMBER: US/08/521,634
FILING DATE: 31-AUG-1995
CLASSIPICATION: 435
PRIOR APPLICATION 131-AUG-1995
FRICH APPLICATION 100 DATA:
APPLICATION NUMBER: US 08/482,115
FILING DATE: 7-UNU-1995
FILING DATE: 7-UNU-1995
FILING DATE: 7-UNU-1995
FILING DATE: 7-UNU-1995
FILING DATE: 27-CCT-1994
FILING DATE: 77-CT-1994
FILING DATE: 7-UL-1994
FILING DATE: 7-UL-1994
ATTORNEY/AGENT INFORMATION:
NAMME: DUAN, TRACY J.
REGISTRATION NUMBER: 34,5877
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ; MOLECULE TYPE: DNA (oligonucleotide) US-08-521-634-15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
Best Local Similarity 100.0%; P
Matches 18; Conservative 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity 100.
Matches 16; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                              CITY: San Francisco
STATE: California
                                                               2 CAACTCTTCGCGG
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STRANDEDNESS: sir
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                                                                                                                                                                    RESULT 9
US-08-521-634-15/c
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US-07-941-648-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        COUNTRY:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: Mitchael
TITLE OF INVENTION: Methods of Genetic Analysis of Escherichia coli
FILE REFERENCE: 3117.1
CURRENT APPLICATION NUMBER: US/09/956,604B
CURRENT FILING DATE: 2001-09-19
PRIOR PILING DATE: 2000-09-19
NUMBER OF SEQ ID NOS: 144629
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 105231
      TITLE OF INVENTION: Methods of Genetic Analysis of Escherichia coli
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               DB 36; Length 25;
3;
                        FILE REFERENCE: 3117.1
CURRENT APPLICATION NUMBER: US/09/956,604A
CURRENT FILING DATE: 2001-09-19
PRIOR APPLICATION NUMBER: 60/234,049
PRIOR FILING DATE: 2000-09-19
NUMBER OF SEQ ID NOS: 141629
SOFTWARE: MICROARRAY Probe Sequence Listing Generator V 1.1
SEQ ID NO 105231
LENGTH: 25
                                                                                                                                                                                                                                                                                               Score 18; DB 36; Length 25; Pred. No. 3;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0; Indels
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                                                                                                                                                                                                                                                                                           90.0%; Score ...,
100.0%; Pred. No. 3;
--:ve .0; Mismatches
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ORGANISM: Bschericia coli
PUBLICATION INFORMATION:
DATABASE ACCESSION NUMBER: Genbank U00096
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 105231, Application US/09956604B GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 18;
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100.0%; Pre
                                                                                                                                                                                                                                                                                                                                                                                       2 CAACTCTTCGCGGTGGCA 19
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Best Local Similarity 100.0
Matches 18; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ORGANISM: Escherichia coli
US-09-956-604B-105231
                                                                                                                                                                                                                                        ; ORGANISM: Escherichia coli
US-09-956-604A-105231
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match 90.0
Best Local Similarity 100.
Matches 18; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-09-956-604B-105231/c
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-60-234-049-86453
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65.0%; Score 13; DB 8; Length 46; 100.0%; Pred. No. 2.6e+03;
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OPERATING SYSTEM: System 7.6
SOFTWARE: Microsoft Word of Power Macintosh 6.0.1
CURRENT APPLICATION DATE:
APPLICATION NUMBER: US/08/441,893A
FILING DATE: 16-MAY-1995
CLASSIFICATION DATA:
APPLICATION NUMBER: WS 07/534,193
FILING DATE: 05-JUN-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: WS 07/573,576
FILING DATE: 24-AUG-1990
PRIOR APPLICATION NUMBER: US 07/627,071
FILING DATE: 13-DEC-1990
PRIOR APPLICATION NUMBER: US 07/701,415
FILING DATE: 16-MAY-1991
PRIOR APPLICATION NUMBER: US 08/091,519
FILING DATE: 12-JULY-1993
PRIOR APPLICATION NUMBER: US 08/242,211
FILING DATE: 13-MAY-1991
PRIOR APPLICATION NUMBER: US 08/242,211
APPLICATION NUMBER: US 08/242,211
FILING DATE: 13-MAY-1994
ATTORNEY/AGENT INFORMATION:
NAME: POEKINS, PALTICIA A.
REGIERRATYON NUMBER: 34,693
REFERENCE/DOCKET UNMBER: 2003-G
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 5, Application US/09252006A
GENERAL INFORMATION:
APPLICANT: Sims, John E.
APPLICANT: Lupton, Stephen D.
APPLICANT: Mosley, Burde A.
APPLICANT: Mosley, Burde A.
APPLICANT: Mosley, Burde A.
APPLICANT: Mosley, Burde A.
APPLICANT: TITLE OF INVENTION: Type II Interleukin-1 Receptors
NUMBER OF SEQUENCES: 20
CORRESPONDENES:
ADDRESSEE: Immunex Corporation
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 100.0%; Pred. ...
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STREET: 51 University Street
CITY: Seattle
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC Compartible
OPERATING SYSTEM: PC-DOS/MS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        DNA (genomic)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 46 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   13; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Best Local Similarity
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MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           STATE: WA
COUNTRY: US
ZIP: 98101
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US-08-441-893A-5
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: Sims, John B.
APPLICANT: Cosman, David J.
APPLICANT: Cosman, David J.
APPLICANT: Lupton, Stephen D.
APPLICANT: Mosley, Bruce A.
APPLICANT: Mosley, Bruce A.
APPLICANT: Dower, Steven K.
TITLE OF INVENTION: Type II Interleukin-1 Receptors
NUMBER OF SEQUENCES: 20
CORRESPONDERS: ADDRESS:
ADDRESSEE: Immunex Corporation
STREET: 51 University Street
CITY: Seattle
STATE: WA
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                        MEDIUM TYPE: Ploppy disk
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
COMPUTER: Patentin Release #1.0, Version #1.25
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/941,648
FILING DATE: 1992098
CLASSIFICATION: 435
ATTONNEY/AGENT INPORMATION:
NAME: WIGHT, CHRISTOPHER L.
REGISTRATION NUMBER: 31,680
REFERENCE/DOCKET NUMBER: 2809
TELECOMMUNICATION INPORMATION:
TELECOMMUNICATION INPORMATION:
TELECOMMUNICATION SEQ ID NO: 7:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   6e+03;
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MEDIUM TYPE: Ploppy disk
COMPUTER: Apple Power Macintosh 7200/90
                                                    APPLICANT: BECKNANN, M. P.
APPLICANT: GOODWIN, RAYMOND G.
APPLICANT: GRIA, JUDITH G.
APPLICANT: ARMITAGE, RICHARD J.
TITLE OF INVENTION: CD27 LIGAND
NUMBER OF SEQUENCES: 8
CORRESPONDENCE ADDRESS:
ADDRESSEE: IMMUNEX CORPORATION
STREET: 51 UNIVERSITY STREET
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 5, Application US/08441893A GENERAL INFORMATION:
       Sequence 7, Application US/07941648 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match 65.0%; Soc
Best Local Similarity 100.0%; P.
Matches 13; Conservative 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SEQUENCE CHARACTERISTICS:
LENGTH: 46 base pairs
TYPE: NUCLEIC ACID
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         3 AACTCTTCGCGGT 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             oligonucleotide
                                                                                                                                                                                                                                                                                                                                                      ZIP: 98101
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ANTI-SENSE: NO
IMMEDIATE SOURCE:
                                                                                                                                                                                                                                                                                                                                         USA
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Lupton, Stephen D.
Mosley, Bruce A.
Mosley, Bruce A.
Dower, Steven K.
TITLE OF INVENTION: Type II Interleukin-1 Receptors
NUMBER OF SEQUENCES: 14
CORRESPEE: Immunex Corporation
STREET: 51 University Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 46;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0; Indels
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Pred. No. 2.6e+03;
0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.24
CURRENT APPLICATION DATA: US/10/199,209
FILING DATE: 19-Jul-2002
                                                                                                                                                                                                                                      APPLICATION NUMBER: US 07/534,193
FILING DATE: 06-JUN-1990
RIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/573,576
FILING DATE: 24-AUG-1990
RICR APPLICATION DATA:
APPLICATION NUMBER: US 07/627,071
FILING DATE: 13-DEC-1990
ATTORNEY/AGENT INFORMATION:
                                                                                                                                     PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/091,519
FILING DATE:
APPLICATION NUMBER: US/07/701,415
                                                         CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/461,908
                SYSTEM: PC-DOS/MS-DOS
Patentin Release #1.24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                MEDIUM TYPE: Floppy disk
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100.08; F1.
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GENERAL INFORMATION:
APPLICANT: Sims, John E.
                                                                                                                                                                                                                                                                                                                                                                                                                          NAMB: Wight, Christopher L. REGISTRATION NUMBER: 31680 REFERENCE/DOCKET NUMBER: 20
IBM PC compatible
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TELECOMMUNICATION INFORMATION TELEPHONE: 206-587-5570
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COUNTRY: USA
ZIP: 98101
COMPUTER READABLE FORM:
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Best Local Similarity 100.
Matches 13; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         46 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: nucleic acid
STRANDEDNESS: single
                     OPERATING SYSTEM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        linear
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                                                                                                 FILING DATE:
CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TOPOLOGY: 111
MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ; ANTI-SENSE: N
US-09-461-908-5
                                                                                                                                                                                                                         FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          HYPOTHETICAL:
                                        SOFTWARE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US-10-199-209-5
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APPLICANT: Cosman, David J.
APPLICANT: Lupton, Stephen D.
APPLICANT: Mosley, Bruce A.
APPLICANT: Mosley, Bruce A.
APPLICANT: Dower, Steven K.
IIILE OF INVENTION: Type II Interleukin-1 Receptors
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Mismatches
                                                                                                                                                                                                                                        PRIOR PAPELICATION DATA:
PRIOR PAPELICATION DATE:
PRIOR PAPELICATION DATE:
PRIOR PAPELICATION DATE:
APPELICATION NUMBER: US 07/627,071
FILING DATE: 13-DEC-1990
PRIOR PAPELICATION DATE:
APPLICATION NUMBER: US 08/091,519
FILING DATE: 16-MAX-1991
PRIOR APPLICATION NUMBER: US 08/091,519
FILING DATE: 12-UULX-1993
PRIOR APPLICATION NUMBER: US 08/242,211
FILING DATE: 13-MAX-1994
FILING DATE: 13-MAX-1994
ATTORNEY, AGENT INFORMATION:
                                                                                CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/441,893
FILING DATE: 16-MAY-1995
PRIOR APPLICATION NUMBER: US 07/534,193
PILING DATE: 05-JUN-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/573,576
  SOFTWARE: Patentin Release #1.24
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/252,006A
FILING DATE: 16-FEBRUARY-1999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NAME: Henry, Janis C.
REGISTRATION NUMBER: 34,347
REFERENCE/DOCKET NUMBER: 2003-H
IELECOMMUNICATION INFORMATION:
TELEPHONE: 206-587-0430
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CORRESPONDENCE ADDRESS:
ADDRESSEE: Immunex Corporation
STREET: 51 University Street
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100.0%; Fiv
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GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ZIP: 98101
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       65.0%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SEQUENCE CHARACTERISTICS
LENGTH: 46 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match 65.0
Best Local Similarity 100.
Matches 13; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TELEPHONE: 206-587-04.
TELEFAX: 206-233-0644
INFORMATION FOR SEQ ID NO:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ; ANTI-SENSE:
US-09-252-006A-5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           STATE: W.
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Sequence 14041, Application PC/TUS0225940

GENERAL INFORMATION:

APPLICANT: Feldmann, Richard J.; Global Determinants, Inc.

TITLE OF INVENTION: Deinococcus radiodurans R1 complete genome, Plasmi

FILE REFERENCE: Jim Zegeer Law Offices - 703-684-8333

CURRENT APPLICATION NUMBER: PCT/US02/25940

CURRENT FILING DATE: .2002-08-27

NUMBER OF SEQ ID MOS: 25502
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ORGANISM: Deinococcus radiodurans R1 complete genome, Plasmi
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match 65.0%; Score 13; DB 41; Length 46; Best Local Similarity 100.0%; Pred. No. 2.6e+03; Matches 13; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match 60.0%; Score 12; DB 1; Length 21; Best Local Similarity 100.0%; Pred. No. 1.1e+04; Matches 12; Conservative 0; Mismatches 0; Indels
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FILING DATE: «URKNOWNS
FILING DATE: «URKNOWNS
FILING DATE: «URKNOWNS
FILING DATE: «URKNOWNS
FILING DATE: UNKNOWNS
FILING DATE: US, O7/701, 415
FILING DATE: O6-JUN-1990
APPLICATION NUMBER: US 07/573,576
FILING DATE: 13-DEC-1990
APPLICATION NUMBER: US 07/573,576
FILING DATE: 13-DEC-1990
ATTORNEY/AGENT INFORMATION:
MAME: Wight, Christopher L.
REGISTRATION NUMBER: 31680
REFERENCE/DOCKET NUMBER: 2003-C
TELEFAX: 206-587-5570
TELEFAX: 206-587-5570
TELEFAX: 206-587-5570
TELEFAX: 206-587-5570
TELEFAX: 206-587-5570
TELEFAX: 206-587-644
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 46 base pairs
TYPE: nucleic acid
STRANDENNESS: single
TYPE: Nucleic acid
STRANDENNESS: single
TYPE: UNA GENOMIC)
HYPOTHETICAL: N
ANTI-SENSE: N
ANTI-SENSE: N
ANTI-SENSE: N
ANTI-SENSE: N
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CLASSIFICATION: < PRIOR APPLICATION DATA
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LENGTH: 21
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June 23, 2003, 05:45:21 ; Search time 877.928 Seconds (without alignments) 158.668 Million cell updates/sec
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/cgn2_6/ptodata/1/pna/USSO_NEW_COMB.seq:*
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GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                                                                                                                                       7820798 segs, 3482471992 residues
                                                                                                   OM nucleic - nucleic search, using sw model
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Post-processing: Listing first 45 summaries
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.: /cgn2_6/ptodata71/pna
:: /cgn2_6/ptodata/1/pna
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Gapop_60.0 , Gapext 60.0
                                                                                                                                                                                                                                                   US-08-770-564A-7
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Perfect score:
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                                                                                                                                                                                                                                                                                                              Sequence:
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

	Description	Sequence 588, App	Sequence 530, App		Sequence 593, App	Sequence 401411,	Sequence 22, Appl	Sequence 286, App		Sequence 14041, A	Sequence 522, App	Sequence 6083, Ap	Sequence 112404,	Sequence 112414,	Sequence 71217, A	Sequence 2716, Ap	Sequence 80128, A	Sequence 31566, A	Sequence 164100,	Sequence 205836,	Sequence 230113,
STATION	. QI	PCT-US03-04088-588	PCT-US03-04088-530	PCT-US03-04088-258	PCT-US03-04088-593	US-60-427-836-401411	PCT-US03-04088-22	PCT-US03-04088-286	US-10-199-209A-5	US-10-367-892-14041	PCT-US03-04088-522	US-09-660-222-6083	US-09-660-222-112404	US-09-660-222-112414	US-09-953-570-71217	US-09-954-445A-2716	US-09-954-445A-80128	US-10-098-263B-31566	US-10-355-577-164100	US-10-355-577-205836	US-10-355-577-230113
	DB	-	-1	-1	-	12	, -1	7	10	10	-	9	9	9	7	7	7	0	σ	0	0
	Query Match Length DB	21	23	19	21	25	19	19	46	21	23	25	25	25	25	25	25	25	25	25	25
æ	Query Match	80.0	80.0	70.0	70.0	70.0	65.0	65.0	65.0	60.0	60.0	0.09	0.09	60.09	0.09	60.09	60.09	60.0	0.09	60.0	60.0
	Score	16	16	14	14	14	13	13	13	12	12	12	12	12	12	12	12	12	12	12	12
	ult No.	7	7	m	4	S	9	7	80	σ	10	11	12	13	14	15	16	17	18	19	20
	Result No.	υ	υ	υ			Ü				υ	O	U	U					υ		

Sequence 244953,	Sequence 438619,	Sequence 615469,	Sequence 625356,	Seguence 654361,	Sequence 942586,	Seguence 250708,	Sequence 250709,	Seguence 582453,	Seguence 648877,	Sequence 14042, A	Seguence 6945, Ap	Sequence 8164, Ap	Sequence 8610, Ap	Sequence 8620, Ap	Sequence 70539, A	Sequence 37, Appl	Sequence 7604, Ap	Sequence 44232, A	Seguence 48753, A	Sequence 48758, A	Seguence 126899,	Seguence 126906,	Seguence 129922,	Sequence 134925,
US-10-355-577-244953	US-10-355-577-438619	US-10-355-577-615469	US-10-355-577-625356	US-10-355-577-654361	US-60-427-808-942586	US-60-427-836-250708	US-60-427-836-250709	US-60-427-836-582453	US-60-427-836-648877	US-10-367-892-14042	US-10-299-054A-6945	US-10-299-054A-8164	US-10-299-054A-8610	US-10-299-054A-8620	US-10-310-188-70539	US-10-418-401-37	US-10-310-188-7604	US-10-310-188-44232	US-09-953-570-48753	US-09-953-570-48758	US-09-953-570-126899	US-09-953-570-126906	US-09-953-570-129922	US-09-953-570-134925
σ	σ	σ	σ	σ	12	12	12	12	12	10	10	10	10	10	σ	10	σ	σ	7	7	7	7	7	7
25	25	25	25	52	25	25	22	25	25	36	15	15	17	17	22	22	24	24	25	25	25	25	25	25
0.09	0.09	60.09	60.09	0.09	0.09	0.09	0.09	60.0	0.09	60.09	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
12	12	12	12	12	12	12	12	12	12	12	11	11	11	11	11	11	11	11	11	11	11	11	11	11
21	22	23	24	25	56	27	28	59	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
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ALIGNMENTS

; OTHER INFORMATION: Description of Artificial Sequence: Target sequence/sinA sense; OTHER INFORMATION: region PCT-US03-04088-588 FCI-033-40488-588/C

Sequence 588, Application PC/TUS0304088

GENERAL INFORMATION:

APPLICANT: Ribozyme Pharmaceuticals, Inc.

APPLICANT: Ribozyme Pharmaceuticals, Inc.

APPLICANT: Ribozyme Pharmaceuticals, Inc.

APPLICANT: Beigelman, Leonid

TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase Gene

TITLE OF INVENTION: Expression Using Short Interfering RNA (giNA)

TITLE OF INVENTION: Expression Using Short Interfering RNA (giNA)

FILE REFERENCE: 02-708-A (400/080)

CURRENT APPLICATION NUMBER: DC1/0303-04-28

FRIOR PILING DATE: 2002-07-17

PRIOR PILING DATE: 2002-03-11

PRIOR PILING DATE: 2002-03-11

PRIOR PILING DATE: 2002-05-06-06

PRIOR PILING DATE: 2002-06-06

PRIOR PILING DATE: 2002-06-06

PRIOR PILING DATE: 2002-06-06

PRIOR PILING DATE: 2002-06-06

PRIOR PILING DATE: 2002-09-05

PRIOR PILING DATE: 2002-09-05

PRIOR PILING DATE: 2002-09-09

PRIOR PILING DATE: 2003-09-09

PRIOR PILING DATE: 2003-01-15 NUMBER OF SEQ ID NOS: 626 SOFTWARE: PatentIn version 3.2 TYPE: RNA ORGANISM: Artificial -US03-04088-588/c SEQ ID NO 588

Gape ö Query Match 80.0%; Score 16; DB 1; Length 21; Best Local Similarity 100.0%; Pred. No. 8.7; Matches 16; Conservative 0; Mismatches 0; Indels

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; OTHER INFORMATION: Description of Artificial Sequence: Target sequence/sinA sense; OTHER INFORMATION: region
PCT-US03-04088-258
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Sequence 593, Application PC/TUS0304088
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Reswiggen, James
APPLICANT: Beigelman, Leonid
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase Gene
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase APPLICANT: Beigelman, Leonid
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase APPLICANTON: Rxyression Using Short Interfering RNA (siNA)
FILE REFRENCE: 02-708-A (400/080)
CURRENT FILING DATE: 2003-004-28
FRIOR PRILING DATE: 2002-00-11
FRIOR PILING DATE: 2002-03-11
FRIOR PILING DATE: 2002-03-10
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FRIOR APPLICATION NUMBER: US 60/440,129
FRIOR FILING DATE: 2002-09-09
FRIOR APPLICATION NUMBER: US 60/440,129
FRIOR FILING DATE: 2002-09-09
FRIOR APPLICATION NUMBER: US 60/440,129
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PCT-US03-04088-593
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ö
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Best Local Similarity 78.6%; Pred. No. 1.46+02;
Matches 11; Conservative 3; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 19;
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70.0%; Score 14; DB 1; L
Best Local Similarity 100.0%; Pred. No. 1.4e+02;
Matches 14; Conservative 0; Mismatches 0;
                            PRIOR FILING DATE: 2002-08-29
PRIOR APPLICATION NUMBER: US 60/408,378
PRIOR APPLICATION NUMBER: US 60/409,293
PRIOR FILING DATE: 2002-09-09
PRIOR FILING DATE: 2002-09-09
PRIOR FILING DATE: 2003-01-15
NUMBER OF SEQ ID NOS: 626
SOFTWARE: PALENTIN VERSION 3.2
LENGTH: 19
APPLICATION NUMBER: US 60/406,784
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SOFTWARE: Patentin version 3.2
SEQ ID NO 593
LENGTH: 21
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ORGANISM: Artificial
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PCT-US03-04088-530
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gequence 258, Application PC/TUS0304088

gequence 258, Application PC/TUS0304088

gequence 258, Application PC/TUS0304088

pappilcant: Ribozyme Pharmaceuticals, Inc.

APPLICANT: Beigelman, Leonid

TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase Gene

TITLE OF INVENTION: Expression Using Short Interfering RNA (siNA)

FILE REFERENCE: 02-708-A (400/080)

CURRENT PELLING DATE: 2003-04-28

FRIOR APPLICATION NUMBER: PCT/US03/04088

CURRENT PELLING DATE: 2002-07-17

PRIOR PELLING DATE: 2002-07-17

PRIOR PELLING DATE: 2002-03-17

PRIOR PELLING DATE: 2002-03-11

PRIOR FILING DATE: 2002-03-11
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APPLICANT: Ribozyme Pharmaceuticals, Inc.

APPLICANT: Ribozyme Pharmaceuticals, Inc.

APPLICANT: Rewiggen, James

APPLICANT: Beigelman, Leonid

TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase TITLE OF INVENTION: ROWBER: PCT/US03/04088

CURRENT PILING DATE: 2002-04-28

PRIOR APPLICATION NUMBER: US 60/386,580

PRIOR APPLICATION NUMBER: US 60/386,782

PRIOR APPLICATION NUMBER: US 60/386,782

PRIOR PILING DATE: 2002-06-06

PRIOR PILING DATE: 2002-03-11

PRIOR PILING DATE: 2002-06-05

PRIOR PILING DATE: 2002-09-05

PRIOR PILING DATE: 2002-09-05

PRIOR PILING DATE: 2002-09-05

PRIOR PILING DATE: 2002-09-05

PRIOR PILING DATE: 2002-09-09

PRIOR PILING DATE: 2002-09-05

PRIOR PILING DATE: 2003-01-15

NUMBER OF SEQ ID NOS: 626

NUMBER OF SEQ ID NOS: 626
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                                                                                                                                                                                                                                                  Sequence 530, Application PC/TUS0304088
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ORGANISM: Artificial
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APPLICANT: RIDOZYME PIATRAGECULICALS, INC.
APPLICANT: HIDOZYME PIATRAGECULICALS, INC.
APPLICANT: Beigelman, Leonid
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase Gene
TITLE OF INVENTION: Expression Using Short Interfering RNA (siNA)
TITLE OF INVENTION: Expression Using Short Interfering RNA (siNA)
TITLE OF INVENTION: Expression Using Short Interfering RNA (siNA)
TITLE OF INVENTION: Expression Using Short Interfering RNA (siNA)
CURRENT APPLICATION NUMBER: US 60/396, 600
PRIOR FILING DATE: 2002-02-20
PRIOR FILING DATE: 2002-03-11
PRIOR FILING DATE: 2002-03-11
PRIOR PLILING DATE: 2002-06-06
PRIOR FILING DATE: 2002-06-06
PRIOR APPLICATION NUMBER: US 60/406, 378
PRIOR FILING DATE: 2002-06-06
PRIOR FILING DATE: 2002-09-05
PRIOR FILING DATE: 2002-09-05
PRIOR FILING DATE: 2002-09-06
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PCT-USO3-04088-286
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NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSE: Immunex Corporation
STREET: 51 University Street
CITY: Seattle
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 13; DB 1; Pred. No. 5.6e+02;
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                                                                                                                                                                               ; Sequence 286, Application PC/TUS0104088
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
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COMPUTER: IBM PC compatible
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GENERAL INFORMATION:
COSMAN, John E.
COSMAN, David J.
Lupton, Stephen D.
Mosley, Bruce A.
Dower, Steven K.
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Best Local Similarity 76.9
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                                    19 TTCGCGGTGGCAG 7
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COUNTRY: USA
ZIP: 98101
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: RNA
ORGANISM: Artificial
                                                                                                                                                   PCT-US03-04088-286
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PCT-US03-04088-22
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APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Beigelman, Leones
APPLICANT: Beigelman, Leoned
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase Gene
TITLE OF INVENTION: Expression Using Short Interfering RNA (siNA)
FILE REPERENCE: 02-708-A (400/080)
CURRENT APPLICATION NUMBER: PCT/US03/04088
CURRENT PILING DATE: 2003-04-28
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                                                                                                                                                                                                 APPLICANT: Xue Mei Zhou
TITLE OF INVENTION: Methods of Genetic Analysis of Rat
FILE REFERENCE: 3527
CURRENT APPLICATION
CURRENT PILING DAIR: 2002-11-20
NUMBER OF SEQ ID NOS: 699466
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 25;
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100.0%; Pred. No. 1.4e+02;
tive 0; Mismatches 0;
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PRIOR PLING DATE: 2002-07-17
PRIOR APPLICATION NUMBER: US 60/356,600
PRIOR PILING DATE: 2002-07-17
PRIOR PILING DATE: 2002-02-02
PRIOR PILING DATE: 2002-03-11
PRIOR PILING DATE: 2002-06-06
PRIOR PPLING DATE: 2002-06-06
PRIOR PILING DATE: 2002-06-09
PRIOR PILING DATE: 2002-08-29
PRIOR PILING DATE: 2002-08-29
PRIOR PILING DATE: 2002-09-05
PRIOR PILING DATE: 2002-09-05
PRIOR PILING DATE: 2002-09-05
PRIOR PILING DATE: 2002-09-05
PRIOR PILING DATE: 2002-09-09
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PRIOR PILING DATE: 2003-09-09
PRIOR PILING DATE: 2003-09-09
PRIOR PILING DATE: 2003-01-15
PRIOR PILING DATE: 2003-01-15
PRIOR PILING DATE: 2003-01-15
                                                                                                                                             Sequence 401411, Application US/60427836 GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ORGANISM: Rattus norvegicus US-60-427-836-401411
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1 CUUCGCGGUGGCAG 14
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Best Local Similarity 100.0
Matches 14; Conservative
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Best Local Similarity 100.
Matches 13; Conservative
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ORGANISM: Artificial
                                                                                     RESULT 5
US-60-427-836-401411
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LENGTH: 25
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LENGTH: 19
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Target sequence/siNA sense
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APPLICANT: Richozyme Pharmaceuticals, Inc.

APPLICANT: Richozyme Pharmaceuticals, Inc.

APPLICANT: Richozyme Pharmaceuticals, Inc.

APPLICANT: Richozyme Pharmaceuticals, Inc.

APPLICANT: Beigelman, Leonid

TITLE OF INVENTION: Ray Interference Mediated Inhibition of Telomerase Gene

TITLE OF INVENTION: Expression Using Short Interfering RNA (siNA)

FILE REFERENCE: 02-708-4, 4(400/080)

FURENT APPLICATION NUMBER: US 60/396, 600

FRIOR APPLICATION NUMBER: US 60/359, 124

FRIOR APPLICATION NUMBER: US 60/363, 124

FRIOR PRILING DATE: 2002-03-11

FRIOR FILING DATE: 2002-06-06

FRIOR FILING DATE: 2002-09-09

FRIOR FILING DATE: 2002-09-09
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GENERAL INFORMATION:
APPLICANT: Mittmann et al.
APPLICANT: Affymerix, Inc.
TITLE OF INVENTION: Methods of Genetic Analysis of Human FILE REPERENCE: 3102.1
CURRENT APPLICATION NUMBER: US/09/660,222
CURRENT FILING DATE: 2000-09-12
PRIOR APPLICATION NUMBER: 60/164,973
PRIOR FILING DATE: 1999-11-11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 OTHER INFORMATION: Description of Artificial Sequence:
CTHER INFORMATION: region
PCT-US03-04088-522
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12; Conservative 0; Mismatches
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US-09-660-222-6083
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SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 6083
LENGTH: 25
                                                                                   PCT-US03-04088-522/c
; Sequence 522, Application PC/TUS0304088
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NUMBER OF SEQ ID NOS: 626
SOFTWARE: PatentIn version 3.2
SEQ ID NO 522
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ORGANISM: Artificial
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Best Local Similarity
Matches 12; Conserv
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; CTHER INFORMATION: Chromosome = 1 Strand = negative ConnectronObjectNumber = 16386
US-10-367-892-14041
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GENERAL INFORMATION:
APPLICANT: Feldmann, Richard J.; Global Determinants, Inc.
APPLICANT: Feldmann, Richard J.; Global Determinants, Inc.
TITLE OF INVENTION: Deinococcus radiodurans R1 complete genome, Plasmi FILE REFERENCE: Jim Zegear Law Offices - 703-684-8333
CURRENT APPLICATION NUMBER: US/10/367,892
CURRENT PILING DATE: 2003-03-06
NUMBER OF SEQ ID NOS: 25502
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ORGANISM: Deinococcus radiodurans R1 complete genome, Plasmi
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100.0%; Pred. No. 5.5e+02;
iive 0; Mismatches 0;
                                                                                                                                                                            APPLICATION NUMBER: US/09/461,908
FILING DATE: «Unknown»
APPLICATION NUMBER: US/08/091,519
FILING DATE: «Unknown»
APPLICATION NUMBER: US/07/701,415
FILING DATE: «Unknown»
APPLICATION NUMBER: US 07/534,193
FILING DATE: 06-JUN-1990
APPLICATION NUMBER: US 07/573,576
FILING DATE: 24-AUG-1990
APPLICATION NUMBER: US 07/573,770
APPLICATION NUMBER: US 07/573,576
FILING DATE: 13-DEC-1990
ATTORNEY/AGENT INFORMATION:
SOFTWARE: Patentin Release #1.24
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/199,209A
FILING DATE: 19-Jul-2002
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NAME: Wight, Christopher L.
REGISTRATION NUMBER: 31680
REFERENCE/DOCKET NUMBER: 2003-C
TELECOMMUNICATION INFORMATION:
TELEPHONE: 206-587-5570
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ANTI-SENSE: N
SEQUENCE DESCRIPTION: SEQ ID NO: 5:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TOPOLOGY: linear MOLECULE TYPE: DNA (genomic) HYPOTHETICAL: N
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TELEPAX: 206-233-0644
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
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Matches 13; Conservative
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LENGTH: 21
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Sequence 71217, Application US/09953570
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Job time : 877.928 secs
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; ORGANISM: Arabidopsis thaliana
US-09-954-445A-2716
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Best Local Similarity 100.
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Matches 12; Conservative
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US-09-954-445A-2716
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LENGTH: 25
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LENGTH: 25
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  Length 25;
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                                       0; Indels
                                                                                                                                                                                                                                                       APPLICANT: Mittmann et al.
APPLICANT: Affymetrix, Inc.
TITLE OF INVENTION: Methods of Genetic Analysis of Human
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APPLICANT: Mittmann et al.
TITLE OF INVENTION: Methods of Genetic Analysis of Human
FILE REFERENCE: 3102.1.
CURRENT APPLICATION NUMBER: US/09/660,222
CURRENT FILING DATE: 2000-09-12
PRIOR APPLICATION NUMBER: 60/164,973
PRIOR FILING DATE: 1999-11-11
Query Match 60.0%; Score 12; DB 6; L. Best Local Similarity 100.0%; Pred. No. 2.2e+03; Matches 12; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                 FILE REFERENCE: 3102.1

CURRENT APPLICATION NUMBER: US/09/660,222

CURRENT FILING DATE: 2000-09-12

PRIOR APPLICATION NUMBER: 60/164,973

PRIOR FILING DATE: 1999-11-11

NUMBER OF SEQ ID NOS: 140981

SOFTWARE: PastSEQ for Windows Version 4.0

SEQ ID NO 112404

LENGTH: 25
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DATABASE ACCESSION NUMBER: GenBank X06617 US-09-660-222-112414
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ORGANISM: Homo Sapiens
PUBLICATION INFORMATION:
US-09-660-222-112404
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SOFTWARE: FastSEQ for Windows Version 4.0
                                                                                                                                                                                                 US-09-660-222-112404/c
; Sequence 112404, Application US/09660222
; GENERAL INFORMATION:
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Best Local Similarity 100.
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LENGTH: 25
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US-09-953-570-71217

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APPLICANT: Mittmann, Michael
TITLE OF INVENTION: Methods of Genetic Analysis of Arabidopsis Thaliana
TITLE OF INVENTION: Methods of Genetic Analysis of Arabidopsis Thaliana
TITLE OF INVENTION: Methods of Genetic Analysis of Arabidopsis Thaliana
CURRENT APPLICATION NUMBER: US/09/954,445A
CURRENT FILING DATE: 2000-09-17
PRIOR PILING DATE: 2000-09-18
NUMBER OF SEQ ID NOS: 13.1820
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
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Pred. No. 2.2e+03;
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GENERAL INFORMATION:
APPLICANT: Mittmann, Michael
TITLE OF INVENTION: Methods of Genetic Analysis of Yeast
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Pred. No. 2.2e+03;
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100.0%; Pred. No. ...
0; Mismatches
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tive 0; Mismatches
                                                                         FILE REFERENCE: 3110.1
CURRENT APPLICATION NUMBER: US/09/953,570
CURRENT FILING DATE: 2001-09-13
PRIOR APPLICATION NUMBER: 60/232,638
PRIOR PILING DATE: 2000-09-14
NUMBER OF SEQ ID NOS: 138410
SOFTWARE: PASESEQ for Windows Version 4.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ; Sequence 2716, Application US/09954445A; GENERAL INFORMATION:
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J. and Klobutcher, L.
Gontar Terrahymana thermophila, strain CU428.1, growing cells Contact: Turkewitz AP
Molecular Genetics and Cell Biology
University of Chicago
920 B. 58th Street, Chicago, IL 60637, USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           BM398341 12 bp mRNA linear EST 17
5009-0-44-D05.t.2 Chilcoat/Turkewitz cDNA (large fraction)
Tetrahymena thermophila cDNA, mRNA sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Tetrahymena thermophila
Eukaryota, Alveolata, Ciliophora, Oligohymenophorea,
Hymenostomatida, Tetrahymenina, Tetrahymena.
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/strain="CU428.1"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Tel: 773 702 4374
Fax: 773 702 3172
Email: apturkew@midway.uchicago.edu
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ALIGNMENTS
                                               AA813480
AU106839
BM396493
                                                                                                BM675715
BM400293
BM400757
BM401335
AZ6231549
AZ62995
BM399103
BM397307
BM397299
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AA717501
AU102550
AU102613
AU107631
AU107632
BQ473036
D43085
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BM396856
BM398089
BM400119
AZ309736
BI331734
              BH851915
BM400948
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BM398849
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Location/Qualifiers
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BM398341.1 GI:18198394
   VERSION
KEYWORDS
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DEFINITION
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AUTHORS
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JOURNAL
COMMENT
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BM398341
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BM401213 5009-0-84
BM395007 50072-2-7
BM399150 5009-0-54
BM398611 5009-0-54
AL759526 Arabidope
                                                                                  June 23, 2003, 04:47:09; Search time 1031.16 Seconds (without alignments) 314.123 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
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                                                                                                                                                                                                                                                                          102860
            GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.
                                                                                                                                                                                                                          residues
                                                                                                                                                                                                                                                                          chosen parameters:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SUMMARIES
                                                           - nucleic search, using sw model
                                                                                                                                                                                                                                                                                                                                     summaries
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BM401213
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BM399150
BM398611
AL759526
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Gapop_60.0 , Gapext 60.0
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em_esthum: *
em_esthum: *
em_estrov: *
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Word size :

Database

Searched:

Sequence:

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Result No.

BASE COUNT ORIGIN

DEFINITION

RESULT 2 BM401213

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/ERSION

ORGANISM

KEYWORDS SOURCE

REFERENCE AUTHORS

TITLE JOURNAL COMMENT

FEATURES

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BM399150
5009-0-54-A11.t.1 Chilcoat/Turkewitz cDNA (large fraction)
Tetrahymena thermophila cDNA, mRNA sequence.
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EST from Tetrahymena thermophila, strain CU428.1, growing cells Unpublished (2002)

Contact: Turkewitz AP

Molecular Genetics and Cell Biology
University of Chicago
920 E. 58th Street, Chicago, IL 60637, USA
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/clone_lib="chilcoat/furkewitz cDNA (large fraction)"
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preparation can be found in Chilcoat and Turkewitz (2001)
Proc. Natl. Acad. Sci USA, 98: 8709-8713."
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preparation can be found in Chilcoat and Turkewitz (2001)
Proc. Natl. Acad. Sci USA, 98: 8709-8713."
                                                                                                 Kirk, K.E., Frankel
                                                  1 Juneanon Commercia, recreation, recreations, recreations of the following content of the follo
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Tetrahymena thermophila
Eukaryota; Alveolata; Ciliophora; Oligohymenophorea;
Hymenostomatida; Tetrahymenina; Tetrahymena.
Eukaryota; Alveolata; Ciliophora; Oligohymenophorea;
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/strain="CU428.1"

    .20
/organism="Tetrahymena thermophila"
/strain="CU428.1"

                                    Hymenostomatida; Tetrahymenina; Tetrahymena
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Tel: 773 702 4374
Fax: 773 702 3172
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Seq primer: T3.
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Seq primer: T3.
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preparation can be found in Chilcoat and Turkewitz (2001)
Proc. Natl. Acad. Sci USA, 98: 8709-8713."
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Turkewitz,A.P., Karrer,K.M., Jahn,C., Orias,E., Kirk,K.E., Frankel

J' and Kibbutcher,L.

EST from Tetrahymena thermophila, strain CU428.1, growing cells
Unpublished (2002)
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Proc. Natl. Acad. Sci USA, 98: 8709-8713."
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50072-2-7-A08.f.2 Chilcoat/Turkewitz cDNA (large fraction)
Tetrahymena thermophila cDNA, mRNA sequence.
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5009-0-84-C02.t.1 Chilcoat/Turkewitz cDNA (large fraction)
Tetrahymena thermophila cDNA, mRNA sequence.
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Tetrahymena thermophila
Eukaryota, Alveolata, Ciliophora, Oligohymenophorea,
Hymenostomatida, Tetrahymenina, Tetrahymena.
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/organism="Tetrahymena thermophila"
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Molecular Genetics and Cell Biology
Wilversity of Chicago
920 E. 58th Street, Chicago, IL 60637, USA
Tel: 773 702 4374
Exar: 773 702 1372
Email: apturkew@midway.uchicago.edu
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Tetrahymena thermophila Tetrahymena thermophila

ACCESSION VERSION KEYWORDS SOURCE ORGANISM

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RESULT 3 BM395007

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BASE COUNT ORIGIN

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Submitted (17-JUN-2002) Weisshaar B., Max-Planck-Institut fuer Zuechtungsforschung, Carl-von-Linne-Weg 10, Koeln, 50829, Germany This sequence is recovered from the left border of the T-DNA. It indicates an insertion close to owithin gene At1907990. The sequences are generated at the MPI for Plant Breeding Research in the context of the GABI-Kat project. GABI-Kat is part of the German Plant Genomics program designated 'GABI'. Information on line availability can be found at:

Location/Qualifiers
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                                                                                                               Rosso, M., Strizhov, N., Li, Y., Reiss, B., Dekker, K. and Weisshaar, B. A new Arabidopsis thaliana T-DNA mutagenised population (GABI-Kat) for flanking sequence tag based reverse genetics Unpublished
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Mphibia; Batrachia, Anura, Mesobatrachia, Pipoidea, Pipidae,
Xenopodinae, Xenopus
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Rosso, M., Li, Y., Strizhov, N. and Weisshaar, B.
Direct Submission
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Contact: Tadasu Shin-i
Conter For Genetic Resource Information
National Institute of Genetics
1111 Yata, Mishima, Shizuoka 411-8540, Japan
Fax: 81-559-81-6855
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/organism="Arabidopsis thaliana"
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100.0%; Pred. No. ...
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Location/Qualifiers
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Xenopus laevis
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/organism="CU428.1"
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/clone lib="Chilcoat/Turkewitz cDNA (large fraction)"
/note="Vector: BlueScript2 SK+; Details on library
preparation can be found in Chilcoat and Turkewitz (2001)
Proc. Natl. Acad. Sci USA, 98: 8709-8713."
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ST from Tetrahymena thermophila, strain CU428.1, growing cells
Unpublished (2002)
Contact: Turkewitz AP
Molecular Genetics and Cell Biology
University of Chicago
E. Seth, Street, Chicago, IL 60637, USA
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Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots;
Rosidae; eurosids II; Brassicales; Brassicaceae; Arabidopsis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Strizhov, N., Li, Y., Rosso, M., Viehoever, P., Dekker, K., Saedler, H.
                                                                                 Gaps
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A pipeline for automated high-throughput generation of FSTs
(flanking sequence tags) from Arabidopsis thaliana T-DNA
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Tetrahymena thermophila
Eukaryota; Alveolata; Ciliophora; Oligohymenophorea;
Hymenostomatida; Tetrahymenina; Tetrahymena.
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                           Length 26;
                                                                              0; Indels
                     Score 11; DB 13; L
Pred. No. 1.3e+04;
0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Tel: 773 702 4374
Pax: 773 702 3172
Email: apturkew@midway.uchicago.edu
Seq primer: T3
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55.0%; Scc.
100.0%; Pred
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                                                                                 Conservative
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FEATURES

ACCESSION VERSION KEYWORDS SOURCE

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Extrahymena thermophila.

SM Tetrahymena thermophila

Eukaryota: Alveolata; Ciliophora; Oligohymenophorea;

Buyaryota: Alveolata; Ciliophora; Oligohymenophorea;

Hymenostomatida; Tetrahymenina; Tetrahymena.

1 (bases 1 to 44)

Turkewitz, A.P., Karrer, K.M., Jahn, C., Orias, E., Kirk, K.E., Frankel

3. J. and Klobutcher, L.

EST from Tetrahymen thermophila, strain CU428.1, growing cells

L Contact: Turkewitz A.P.

Molecular Genetics and Cell Biology

University of Chicago

920 B. SGth, Street, Chicago, IL 60637, USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           BM397151 17-JAN-2002 5009-0-29-F01.t.1 Chilcoat/Turkewitz cDNA (large fraction) Terrahymena thermophila cDNA, mRNA sequence.
                                                                                                                                                                                                                                         EST 17-JAN-2002
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/clone_lib="Chilcoat/Turkewitz cDNA (large fraction)"
/note="Vector: BlueScript2 SK+; Details on library
/note="Vector: BlueScript2 SK+; Details on library
preparation can be found in Chilcoat and Turkewitz (2001)
Proc. Natl. Acad. Sci USA, 98: 8709-8713."
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Tarkewitz, A.P., Karrer, K.M., Jahn, C., Orias, E., Kirk, K.E., Frankel
J. and Klobuther, L.
EST from Tetrahymena thermophila, strain CU428.1, growing cells
Contact: Turkewitz AP
Molecular Genetics and Cell Biology
                      Gaps
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5009-0-80-E05.t.1 Chilcoat/Turkewitz cDNA (large fraction)
Tetrahymena thermophila cDNA, mRNA sequence.
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Hymenostomatida, Tetrahymenina, Tetrahymena.
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                      Indels

    .44
    /organism="Tetrahymena thermophila"

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100.0%; Pred. No. 1.6e+04;
ive 0; Mismatches 0;
Pred. No. 1.5e+04;
                    Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Email: apturkew@midway.uchicago.edu
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BM400948.1 GI:18201001
100.08;
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Matches 11; Conservative
                      11; Conservative
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Fax: 773 702 3172
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                                                                                                               27 Trcccccrccc 17
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lines
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/clone="SALK 073707.54.25.x"

/clone="lb="Arabidopsis thaliana TDNA insertion lines"

/note="PCR was performed on Arabidopsis thaliana lines

each of which contains one or more TDNA insertion

elements. The resultant fragment for each line was

directly sequenced to determine the genomic sequence at

the site of insertion. Details of the protocols used can

be found at http://signal.salk.edu/tdna_protocols.html"
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                                                                                                                                                                /dev stage="stage 25"
//dev stage="stage 25"
/note="Vector: pBSRN3; Site_1: Noti; Site_2: EcoR1; cDNAs were oligo-dT primed and directionally cloned. Staging according to Nieuwkoop and Faber. Library is subtracted and was constructed by N. Garrett and A.M. Zorn, (Wellcome/CRC Institute). " 1 others
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Arabidopsis thaliana
Eukaryota, Viridiplantae, Streptophyta, Embryophyta, Tracheophyta,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Alonso,J.M., Leisse,T.J., Barajas,P., Chen,H., Cheuk,R., Gadrinab,C., Ješke,A., Karnes,M., Kim,C.J., Parker,H., Prednis,L., Shinn, I., Zimmerman,J. and Ecker,J.R.
A Sequence-Indexed Library of Insertion Mutations in the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 This is single pass sequence recovered from the left border of TDNA. This sequence lies within an annotated exon of At5946110.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots;
Rosidae; eurosids II; Brassicales; Brassicaceae; Arabidopsis.
1 (bases 1 to 40)
                                                                                                                                                                                                                                                                                                                                                                                                                                             Gaps
                                                                                                /clone_lib="NIBB Mochii normalized Xenopus tailbud
library"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          BH851915 SALK 073707.54.25.x Arabidopsis thaliana TDNA insertion Arabidopsis thaliana genomic clone SALK_073707.54.25.x,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Arabidopsis Genome
Unpublished (2001)
Upublished (2001)
Contact: Joseph R. Ecker
Salk Institute Genomic Analysis Laboratory (SIGNAL)
The Salk Institute for Biological Studies
Intollo N. Torrey Pines Road, La Jolla, CA 92037, USA
Tel: 858 453 4100 x1752
Fax: 858 558 6379
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                                                                                                                                                   /tissue_type="whole embryo"
                      /organism="Xenopus laevis"
/db_xref="taxon:8355"
/clone="XL077i14"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  strain="Columbia 0"
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Location/Qualifiers
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BH851915.1 GI:21422786
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                                                                                                                                                                                                                                                                                                                                                                                                                                               Conservative
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Query Match

BASE COUNT ORIGIN

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1 (Dases 1 to 50)
Suzuki,Y., Taira,H., Tsunoda,T., Mizushima-Sugano,J., Sese,J., Hata,H., Ota,T., Isogai,T., Tanaka,T., Morishita,S., Okubo,K., Sakaki,Y., Nakamura,Y., Suyama,A. and Sugano,S.
Diverse transcriptional initiation revealed by fine, large-scale mapping of mRNA start sites
EMBO Rep. 2 (5), 388-393 (2001)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Department of Virology
Institute of Medical Science, University of Tokyo
Institute of Medical Science, University of Tokyo
4-6-1, Shirokanedai, Minatoku, Tokyo 108-8639, Japan
5-6-1, Shirokanedai, Minatoku, Tokyo 108-8639, Japan
5-8-1, Shirokanedai, Minatoku, Tokyo 108-8639, Japan
7-7, Yoshitomo-Nakagawa, K., Maruyama, K., Suyama, A. and Sugano, S. Construction and characterization of a full length-enriched and a 5'-end-enriched cDNA library. Gene 200 (1-2), 149-156 (1997).

Location/Qualifiers
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AU106839 Sugano Homo sapiens cDNA library Homo sapiens cDNA clone
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  (Pharmacia), digested with Not I and cloned into the Not and Eco RI sites of the modified pT773 vector. Library went through one round of normalization to Cot5, and was constructed by Bento Soares and M. Patima Bonaldo. "
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    /clone lib="Sugano Homo sapiens cDNA library"
/note="Differential display comparison of untreated and
dimethylfumarate treated U937 cells"
14 c 17 g 6 t
                                                                                                                                                                                                    Gaps
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100.0%; Pred. No. 1.6e+04;
tive 0; Mismatches 0;
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100.0%; Pred. No. 1.6e+04;
ive 0; Mismatches 0;
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/organism="Homo sapiens"
/db_xref="taxon:9606"
/clone="KAT08593"
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DNA Sequencing by: Washington University Genome Sequencing Center
Clone distribution: NCI-CGAP clone distribution information can be
found through the I.M.A.G.B. Consortium/LLNL at:
www-bio.llnl.gov/bbrp/image/image.html
                                                                                                                                             / .45
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/organism="Tetrahymena thermophila"
/drain="Catuaton:5911"
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/clone lib="Chilcoat/Turkewitz sKr, Details on library
/note="Vector: BlueScript2 SKr, Details on library
preparation can be found in Chilcoat and Turkewitz (2001)
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proparation can be found in Chilcoat and Turkewitz (2001)
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Email: cgapbs-r@mail.nih.gov
cDNA Library Preparation: M. Bento Soares, Ph.D., M. Fatima Bonaldo
, Ph.D.
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Eukaryota, Metazoa; Chordata; Craniata, Vertebrata; Euteleostomi;
Eukaryota; Eutheria; Primates; Catarrhini; Hominidae; Homo.
1 (bases 1 to 49)
NCI-CGAP http://www.ncbi.nlm.nih.gov/ncicgap.
National Cancer Institute, Cancer Genome Anatomy Project (CGAP),
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Possible reversed clone: similarity on wrong strand
Insert Length: 1418 Std Error: 0.00
Seg primer: -40ml3 fwd Fr from Amersham
High quality sequence Stop: 1.
Location/Qualifiers
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Pred. No. 1.6e+04;
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University of Chicago
920 E. 58th Street, Chicago, IL 60637, USA
Tel: 773 702 4374
Exx: 773 702 3172
Email: apturkew@midway.uchicago.edu
Seg primer: T3
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             Query Match
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Turkewitz, A.P., Karrer, K.M., Jahn, C., Orias, E., Kirk, K.E., Frankel is Turkewitz, A.P., Karrer, K.M., Jahn, C., Orias, E., Kirk, K.E., Frankel J. and Klobutcher, L.

EST from Tetrahymena thermophila, strain CU428.1, growing cells Unpublished (2002)

Contact: Turkewitz AP

Molecular Genetics and Cell Biology
University of Chicago
920 E. 58th Street, Chicago, IL 60637, USA

Tel: 773 702 4374

Fax: 773 702 3172

Email: apturkew@midway.uchicago.edu
Seq primer: Tiller
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J. and Klobutcher,L.
Gram Terrahymena thermophila, strain CU428.1, growing cells Unpublished (2002)
Contact: Turkewitz AP
Molecular Genetics and Cell Biology
Whiversity of Chicago
Jr. 60637, USA
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/clone_lib="Chilcoat/Turkewitz_cDNA_(large_fraction)"
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proc. Natl. Acad. Sci USA, 98: 8709-8713."
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5009-0-27-B04.t.1 Chilcoat/Turkewitz cDNA (large fraction)
Tetrahymena thermophila cDNA, mRNA sequence.
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Betrahymena thermophila
Eukaryota; Alveolata; Ciliophora; Oligohymenophorea;
Hymenostomatida; Tetrahymenina; Tetrahymena.
                 Eukaryota, Alveolata, Ciliophora, Oligohymenophorea,
Hymenostomatida, Tetrahymenina, Tetrahymena.
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50.0%; Score 10; DB 13; Length 14;
Best Local Similarity 100.0%; Pred. No. 4.1e+04;
Matches 10; Conservative 0; Mismatches 0; Indels
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/organism="Tetrahymena thermophila"
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Fax: 773 702 3172
Email: apturkew@midway.uchicago.edu
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Tetrahymena thermophila
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non-normalized library, sequenced 3' with M13R primer."
/ 7 g 3 t
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TOH602767971.R1 CSEQFXL35 adipose Sus scrofa cDNA, mRNA sequence.
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Adelson, D. L. and Gill, C.A.
Porche ESTS
Unpublished (2002)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Contact: David L. Adelson
Animal Breeding and Genetics
Texas A&W University
Animal Science Dept., TAMU-2471, College Station, TX 77843-2471,
                                              Gaps
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  Length 17;
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100.0%; Pred. No. 4.3e+94
iive 0; Mismatches 0
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Fax: 9798456970
Email: david.adelson@tamu.edu.
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Sequence 47, Appl
Sequence 48, Appl
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atent No. 5198342
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                                                                           June 24, 2003, 22:17:30 ; Search time 30.3586 Seconds (without alignments) 202.036 Million cell updates/sec
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score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.
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Sequence 4
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          5.1.6
Compugen Ltd.
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US-08-091-519-5
US-08-106-507-7
US-08-442-043A-5
US-08-344-817A-69
US-08-33-167-69
US-08-599-252-36
PCT-US96-06583-36
US-08-948-381-3
US-08-948-381-3
US-08-948-381-3
US-08-948-381-3
US-08-181-55-6-14
US-08-181-55-6-14
US-08-181-55-6-14
US-08-181-55-6-14
US-08-64-449-61
US-09-641-638-1257
US-07-974-409C-41
                                                                                                                                                                                                                         Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US-08-470-106-12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PCT-US93-11667-4
                                                                                                                                                                                                      441362 segs, 153338381 residues
         GenCore version
Copyright (c) 1993 - 2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SUMMARIES
                                                                                                                                                                                                                                                                                   Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
                                                     - nucleic search, using sw model
                                                                                                                                              CCAACTCTTCGCGGTGGCAG 20
                                                                                                                                                                    IDENTITY NUC
Gapop 10.0 , Gapext 1.0
                                                                                                                      US-08-770-564A-7
20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query
Match Length
                                                                                                                                                                                                                                                   Minimum DB seq length: 0 Maximum DB seq length: 50
                                                                                                                                                                     Scoring table:
                                                                                                                                    Perfect score:
                                                     OM nucleic
                                                                                                                                                Sequence:
                                                                                                                                                                                                      Searched:
                                                                                                                                                                                                                                                                                                                                  Database
                                                                            Run on:
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No.
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Sequence
Sequence
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Sequence
Sequence
Sequence
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APPLICANT: Ked
APPLICANT: Wal, Fred
APPLICANT: Kealey, James T.
APPLICANT: Weinrich, Scott L.
TITLE OF INVENTION: Methods for Detecting the RNA Component of
TITLE OF INVENTION: Telomerase
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:
ADDRESSEE: TOWNSEND and TOWNSEND and CREW LLP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ö
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: Ploppy disk
COMPUTER: Ploppy disk
COMPUTER: Ploppy disk
COMPUTER: Ploppy disk
COMPUTER: Plan PC compatible
OPERATIOR SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/770,565
FILING DATE: 20-DEC-1996
CLASSIFICATION: 435
ATORNEY/AGENT INFORMATION:
NAME: SECRELLA, JOHN R.
REGISTRATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 31,944
REFERENCE/DOCKET NUMBER: 32,944
REFERENCE/DOCKET NUM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADDRESSEE: TOWNSEND and TOWNSEND and CREW LLP STREET: Two Embarcadero Center, 8th Floor CITY: San Francisco
US-08-110-294A-27
US-08-389-926-27
US-08-623-891-81
US-09-340-861-81
US-09-536-936-31
US-09-536-936-31
US-08-977-818-16
US-08-977-818-16
US-08-530-492-52
US-08-530-492-52
US-08-530-492-52
US-08-530-492-52
US-08-739-1881-39
US-08-739-158-39
US-08-739-158-39
US-08-739-158-39
US-08-739-158-39
US-08-739-158-39
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ALIGNMENTS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ; Sequence 7, Application US/08770565; Patent No. 5846723; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: nucleic acid
STRANDEDNESS: single
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Gaps

Indels

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Mismatches
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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IEDM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PATENTIN Release #1.24
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/091,519
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/07/701,415
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: DNA
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity 80.0%;
Matches 16; Conservative
                                           2 CAACTCTTCGCGGT 15
                                                                                  23 chácrcrrccccci 36
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COTHER INFORMATION: Primer
US-09-166-966E-3
  14; Conservative
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US-08-091-519-5
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    Matches
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APPLICANT: Kealey, James T.
APPLICANT: Bruzan, Ronald
APPLICANT: Weinrich, Scott L.
TITLE OF INVENTION: Methods for Detecting the RNA Component of
TITLE OF INVENTION: Telomerase
NUMBER OF SUCCENCES: 26
CORRESPONDENCE ADDRESS: 26
ADDRESSEE: TOWNSEND and TOWNSEND and CREW LLP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ö
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100.0%; Score 20; DB 2; Length 30;
Best Local Similarity 100.0%; Pred. No. 0.19;
Matches 20; Conservative 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COUNTRY 1993

ZIF: 9411-3834

CONFUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: PatentIN Release #1.0, Version #1.30

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/770,565

FILING DATE: 20-DEC-1996
CLASSIFFCATION: 435
ATTORNEY/AGENT INPERMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: MALISZEWSKI, CHARLES R.
TITLE OF INVENTION: DNA ENCOGING IGA FC RECEPTORS
NUMBER OF SEQUENCES: 9
CAPRIL APPLICATION DATA:
APPLICATION NUMBER: US/07/548,059
FILING DATE: 05-JUL-1990
                                                                                                                                                                                                                                                                                                                                                               ADDRESSEE: TWO MANSEND and TOWNSEND and CREW LLP STREET: TWO EMbarcadero Center, 8th Floor CITY: San Francisco STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 015389-002300US
TELECOMMUNICATION INFORMATION:
TELECHONE: 415-576-0200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 CCAACTCTTCGCGGTGGCAG 20
                                                                                                                             Sequence 5, Application US/08770565
Patent No. 5846723
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TELEFAX: 415-576-0300
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 30 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TOPOLOGY: linear; MOLECULE TYPE: DNA US-08-770-565-5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        STRANDEDNESS:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ; LENGTH: 45
5198342-4
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WES-09-166-966E-3/C

Sequence 3, Application US/0916696E

Sequence 3, Application US/0916696E

Sequence 3, Application US/0916696E

Sequence 3, Application US/0916696E

Sequence 3, Application

APPLICANT: G40700

APPLICANT: HJ, NIEN-TAI

APPLICANT: HSEU, TZONG-HSIUNG

TITLE OF INVENTION: CHIMBERIC PROTEINS WITH A CELLULOSE BINDING DOMAIN

FILE REFERENCE: 32350-150960

CURRENT FILE OF TILING DATE: 1998-10-06

CURRENT FILING DATE: 1997-10-08

PRIOR FILING DATE: 1997-10-08

PRIOR FILING DATE: 1997-10-08

LENGTH: 49
                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
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Pred. No. 3.2e+02;
0; Mismatches 4; Indels
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APPLICANT: Sims, John B.
APPLICANT: Cosman, David J.
APPLICANT: Lupton, Stephen D.
APPLICANT: Mosley, Bruce A.
APPLICANT: Mosley, Bruce A.
APPLICANT: Dower, Steven K.
ITLE OF INVENTION: Type II Interleukin-1 Receptors
NUMBER OF SEQUENCES: 19
CORRESPONDENCE ADDRESS: 1
ADDRESSEE: Immunex Corporation
STREET: S1 University Street
                                                                                                                                                                                                                      Query Match 67.0%; Score 13.4; DB 1; Best Local Similarity 93.3%; Pred. No. 4e+02; Matches 14; Conservative 0; Mismatches 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PELICATION NUMBER: US/08/442,043A
FILING DATE: 16-MAY-1995
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/534,193
FILING DATE: 05-JUN-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/573,576
FILING DATE: 24-AUG-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/627,071
FILING DATE: 13-DEC-1990
PRIOR APPLICATION NUMBER: US 07/701,415
FILING DATE: 16-MAY-1991
PRIOR APPLICATION NUMBER: US 08/091,519
FILING DATE: 16-JULY-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/242,211
FILING DATE: 13-MAY-1991
PRIOR APPLICATION NUMBER: US 08/242,211
FILING DATE: 13-MAY-1994
ATTORNEY/AGENT INFORMATION:
NUMBER: WS 08/242,211
FILING DATE: PERKING, PRICICIA NUMBER: US 08/091,519
FILING DATE: 13-MAY-1994
ATTORNEY/AGENT INFORMATION:
NUMBER: WS 08/242,211
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           COUNTRY: USA
ZIP: 98101
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PATENTIN Release #1.24
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 5, Application US/08442043A
Patent No. 5767064
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NAME: Perkins, Patricia A.
REGISTRATION NUMBER: 34,693
REFERENCE/DOCKET NUMBER: 20
                                  linear
: DNA (genomic)
NO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TELECOMMUNICATION INFORMATION TELEPHONE: 206-587-5570
                                  TOPOLOGY: linear
MOLECULE TYPE: DNA (genomi)
HYPOTHETICAL: NO
ANTI-SENSE: NO
INMEDIATE SOURCE:
CLOME: OLLOME: Oligonucleotide
US-08-106-507-7
                                                                                                                                                                                                                                                                                                                    1 CCAACTCTTCGCGGT 15
                                                                                                                                                                                                                                                                                                                                                                23 CAAACTCTTCGCGGT 37
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              single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Seattle
              STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            STATE: WA
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Pred. No. 4e+02;
0; Mismatches 1; Indels
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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/106,507
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICATION: 530
PLICASIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/941,648
FILING DATE: 08-SEP-1992
ATTORNEY/AGENT INFORMATION:
NAME: WIGHT, CHRISTOPHER L.
REGISTRATION NUMBER: 31,680
REFRENCE/DOCKET NUMBER: 2809-A
TELECOMMUNICATION INFORMATION:
TELECHONE: 206-581-0430
: INFORMATION FOR SEQ ID NO: 7:
PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/573,576
FILING DATE: 24-AUG-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/627,071
FILING DATE: 13-DEC-1990
ATTORNEY/AGENT INFORMATION:
NAME: Wight, Christopher L.
REGISTRATION NUMBER: 31680
REFERENCE/DOCKET NUMBER: 2003-C
TELECOMMUNICATION INFORMATION:
TELEPHONE: 206-233-0644
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 7, Application US/08106507
Patent No. 5573924
GENERAL INFORMATION:
APPLICANT: BECKNANN, M.P.
APPLICANT: GOODWIN, RAYMOND G.
APPLICANT: GOODWIN, RAYMOND G.
APPLICANT: ARMITAGE, RICHARD J.
ITTLE OF INVENTION: CO27 LIGAND
NUMBER OF SEQUENCES: 10
CORRESPONDENCE ADDRESS:
CORRESPONDENCE ADDRESS:
ADDRESSEE: IMMUNEX. CORPORATION
STREET: 51 UNIVERSITY STREET
COTTY: SEATTLE
                                                                                                                                                                                                                                                                                                                                                                                                                                                           MOLECULE TYPE: DNA (genomic)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity 93.3%;
Matches 14; Conservative (
                                                                                                                                                                                                                                                                                    INFORMATION FOR SEQ ID NO: 5
SEQUENCE CHARACTERISTICS:
LENGTH: 46 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1 CCAACTCTTCGCGGT 15
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TYPE: nucleic acid
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US-08-091-519-5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COUNTRY:
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STATE:
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Gaps

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1; Indels

Mismatches

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Best Local Similarity 93.3%;
Matches 14; Conservative
                                                               1 CCAACTCTTCGCGGT 15
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 STATE:
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                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Sime, John E.

APPLICANT: Cognan, David J.

APPLICANT: Lupton, Stephen D.

APPLICANT: Mosley, Bruce A.

TITLE OF INVENTION: Type II Interleukin-1 Receptors

NUMBER OF SEQUENCES: 14

CORRESPONDENCE ADDRESS:

ADDRESSEE: Immune C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           DB 5;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CURRENT APPLICATION DATA:

CURRENT APPLICATION DATA:

APPLICATION UNDER:

FILING DATE: 19910517

CLASSIFICATION UNBER: PCT/US91/03478

FILING DATE: 19910517

REPLICATION NUMBER: US 07/534,193

FILING DATE: 06-UN-1990

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/573,576

FILING DATE: 24-AUG-1990

RIOR PROLICATION DATA:

APPLICATION NUMBER: US 07/627,071

FILING DATE: 13-DEC-1990

ATTORNEY/AGENT INFORMATION:

NAME: Wight, Christopher L.

REGISTRATION NUMBER: 31680

REGISTRATION NUMBER: 31680

REGISTRATION NUMBER: 31680

TELECOMMUNICATION INFORMATION:

TELECOMMUNICATION INFORMATION:

TELECOMMUNICATION INFORMATION:

TELECOMMUNICATION INFORMATION:

TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                    PCT-US91-03478-5
Sequence 5, Application PC/TUS9103478
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ZIP: 98101
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IEM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADDRESSEE: Immunex Corporation
STREET: 51 University Street
CITY: Seattle
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         MOLECULE TYPE: DNA (genomic) HYPOTHETICAL: N
                                                                              MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: N
ANTI-SENSE: N
                                                                                                                                                                                                                                                                             1 CCAACTCTTCGCGGT 15
                                                                                                                                                                                                                                                                                                                    23 cadacterresesser 37
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SEQUENCE CHARACTERISTICS:
LENGTH: 46 base pairs
TYPE: NUCLEIC ACLD
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              206-233-0644
        46 base pairs
                          TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TELEPHONE:
TELEFAX: 2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CITY: Sea
STATE: WA
COUNTRY:
                                                                                                                                                     US-08-442-043A-5
        LENGTH:
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Length 46;

67.0%; Score 13.4;

Query Match

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Query Match 66.0%; Score 13.2; DB 3; Length 36; Best Local Similarity 83.3%; Pred. No. 4.9e+02; Matches 15; Conservative 0; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                                                                                 ADDRESSEE: DENNIS A BENNETT, G.D. SEARLE & CO., ADDRESSEE: CORPORATE PATENT DEPT.
STREET: P.O. BOX 5110
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/833,167
                                                                                                                                                                     APPLICANT: ZURFLUH, LINDA L
APPLICANT: MCWHERTER, CHARLES A
APPLICANT: MCKEARN, JOHN P
APPLICANT: ELEIN, BARBARA K
APPLICANT: FENG, YIQING
APPLICANT: FENG, YIQING
APPLICANT: LEE, STEPHEN C
TITLE OF INVENTION: G-CSF RECEPTOR AGONISTS
NUMBER OF SEQUENCES: 129
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: WO PCT/US 96/15935
FILING DATE: 04-OCT-1996
PRIOR APPLICATION NUMBER: US 60/004,382
FILING DATE: 05-OCT-1995
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              other nucleic acid
/desc = "DNA (synthetic)"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RESULT 10
US-09-344-837A-69
; Sequence 69, Application US/09344837A
                                                                                                          Sequence 69, Application US/08833167
Patent No. 6100070
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COMPUTER: Rloppy disk COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/webpers: Pater:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NAME: BENNETT, DENNIS A REFERENCE FOCKET UNDER : 25 TELECOMMUNICATION INFORMATION TELEPHONE: 314-694-5402
23 CAAACTCTTCGCGGT 37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SEQUENCE CHARACTERISTICS:
LENGTH: 36 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TELEFAX: 314-694-9095
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COMPUTER READABLE FORM: MEDIUM TYPE: Floppy of
                                                                                                                                                                                                                                                                                                                                                                                 CORRESPONDENCE ADDRESS:
ADDRESSEE: DENNIS A
ADDRESSEE: CORPORATE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ILLINOIS
                                                                                                                                                         GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CHICAGO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TOPOLOGY: 11:
MOLECULE TYPE:
DESCRIPTION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                60680
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Score 12.8; DB 1; Length 22;
Pred. No. 7.4e+02;
0; Mismatches 2; Indels
                                                                                  CTVI.

STATE: DC
COUNTRY: USA
COMPUTER READABLE FORM:
MEDIUM TYPE: Rloppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/599,252
FILING DATE: 09-FEB-1996
CLASSIFICATION: 435
ATTORNEY/AGENT INPORMATION:
NAME: MURASHIGE, KATE H.
REGISTRATION NUMBER: 29,959
REFERENCE/DOCKET NUMBER: 9053-0001.21
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 887-0763
- CRO ID NO: 36:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: FEDER, JOHN N.
APPLICANT: FEDER, JOHN N.
APPLICANT: FEDER, JOHN N.
APPLICANT: GIRKE, ANDREAS
APPLICANT: KINMEL, BRUCE E.
APPLICANT: THOMAS, WINSTON J.
APPLICANT: WOLFF, ROGER K.
TITLE OF INVENTION: METHOD TO DIAGNOSE HEREDITARY
TITLE OF INVENTION: HEMOCHROMATOSIS
NUMBER OF SEQUENCES: 124
CORRESPONDENCE ADDRESS:
ADDRESSEE: MORKISON & FOREXTER
STREET: 2000 Pennsylvania Ave. N.W., Suite 5500
CITY: Washington
                   CORRESPONDENCE ADDRESS:
ADDRESSEE: MORRISON & FOERSTER
STREET: 2000 Pennsylvania Ave. N.W., Suite 5500
CITY: Washington
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CORRENTING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
SOFTWARE: Patentin Release #1.0, Version #1.30
SOFTWARE: PATENTION DATA:
APPLICATION NUMBER: PCT/US96/06352
FILING DATE:
CLASSIFICATION
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/599,252
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 36, Application PC/TUS9606352 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COUNTRY: USA
ZIP: 20006-1888
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IEM PC compatible
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity 87.5%;
Matches 14; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 ACTCTTCGGTGTGGCA 16
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NUMBER OF SEOUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ; TOPOLOGY: linear
US-08-599-252-36
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            STRANDEDNESS:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CITY:
STATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                RESULT 12
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                                                                                                                                                                                                                                                                                                                                                                                                                                      COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOGTWARE: Patentin Release #1.0, Version #1.30

SUGTWARE: PAPLICATION DATA:

APPLICATION NUMBER: US/09/344,837A

FILING DATE: 25-UNN-1999

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: W0 PCT/US 96/15935

PILING DATE: 04-OCT-1996

PRIOR APPLICATION NUMBER: US 60/004,382

PILING DATE: 05-OCT-1995

APPLICATION NUMBER: US 60/004,382

PILING DATE: 05-OCT-1995

ATCORNEY AGENT INFORMATION:
NAME: S. CHRISTOPHER BAUER

REERENOEM GOST INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               METHOD TO DIAGNOSE HEREDITARY HEMOCHROMATOSIS
                                                      APPLICANT: MCKEARN, JOHN P
APPLICANT: MCKEARN, JOHN P
APPLICANT: KLEIN, BARBARA K
APPLICANT: FINGLIN, BARBARA K
APPLICANT: ERNG, YIQING
APPLICANT: LES, STEBHEN G
TITLE OF INVENTION: G-CSF RECEPTOR AGONISTS
NUMBER OF SEQUENCES: 129
CORRESPONDENCE ADDRESS:
ADDRESSEE: MONSANTO/G D. SEARLE & CO.,
ADDRESSEE: MONSANTO/G D. SEARLE & CO.,
ADDRESSEE: PATENT DEPARTMENT CENTRAL
STERT: CHICAGO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TOPOLOGY: linear
MOLECULE TYPE: other nucleic acid
DESCRIPTION: /desc = "DNA (synthetic)"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-08-599-252-36
; Sequence 36, Application US/08599252
; Patent No. 5705343
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               DRAYNA, DENNIS T. FEDER, JOHN N. GNIRKE, ANDREAS KIMMEL, BRUCE E. THOWAS, WINSTON J. WOLFF, ROGER K.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ccagcrccrcagagaga 36
                                          ZURFLUH, LINDA L
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        INPORMATION FOR SEQ ID NO: 6
SEQUENCE CHARACTERISTICS:
LENGTH: 36 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         636-737-5452
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: GNIRKE, A APPLICANT: KIMMEL, B APPLICANT: THOMAS, W APPLICANT: WOLFF, RO TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                                                        CITY: CHICAGO
STATE: ILLINOIS
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-09-344-837A-69
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Gaps

Gaps

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Length 27;
                      Length 22;
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                                                                                 Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: Kuo, Mei-chang
APPLICANT: Morvile, Malcolm
TITLE OF INVENTION: RECOMBITOPE PEPTIDES
NUMBER OF SEQUENCES: 76
CORRESPONDENCE ADDRESS:
ADDRESSEE: IMMULOGIC PHARMACEUTICAL CORPORATION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 12.8; DB 1;
Pred. No. 7.5e+02;
0; Mismatches 2;
                      Score 12.8; DB 5;
Pred. No. 7.4e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CURRENT APPLICATION DATA:
CURRENT APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE: 19911213
CLASSIFICATION DATA:
FILING DATE: 19911213
APPLICATION NUMBER: US 07/662,276
FILING DATE: 28-FBB-1991
APPLICATION NUMBER: US 07/431,565
FILING DATE: 03-NOV-1889
ATTORNEY/AGENT INFORMATION:
NAME: Channing, Stacey L.
NAME: Channing, Stacey L.
REGISTRATION NUMBER: 31,095
REGISTRATION NUMBER: 11,095
REGISTRATION NUMBER: 11,095
REGISTRATION NUMBER: 1617) 494-0060
TELEPHONE: (617) 494-0060
INPORMATION FOR SEQ ID NO: 641:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    STREET: One Kendall Square, Building 600
                                                                                     Mismatches
                                                                                                                                                                                                                                                                                                                                                    Sequence 64, Application US/07807529A Patent No. 5547669 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-08-948-381-3; Sequence 3, Application US/08948381; Patent No. 6274341
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Garman, Richard D.
Greenstein, Julia L
                      ch 64.0%;
1 Similarity 87.5%;
14; Conservative 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
Best Local Similarity 87.5%;
Matches 14; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AATTCTTTGCGGTGGC 20
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Bond, Julian F.
                                                                                                                                                                                                                                                                                                                                                                                                                                                      Rogers, Bruce L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 27 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ZIP: 02139
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NUCLEIC ACID
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                                               Best Local Similarity
Matches 14; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Cambridge
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MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  JS-07-807-529A-64
                                                                                                                                                                                                                                                                                                     RESULT 14
US-07-807-529A-64
                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COUNTRY:
                               Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    RESULT 15
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 36, Application PC/TUS9606583
GENERAL INFORMATION:
APPLICANT: DEATNA, DENNIS T.
APPLICANT: FEDER, JOHN N.
APPLICANT: THOMAS, MINERAS
APPLICANT: THOMAS, WINGTOR E.
APPLICANT: THOMAS, WINGTOR E.
APPLICANT: WOLFF, ROGER K.
TITLE OF INVENTION: HEMOCHROMATOSIS
ITITLE OF INVENTION: HEMOCHROMATOSIS
NUMBER OF SEQUENCES: 124
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SEE: MORRISON & FOERSTER
: 2000 Pennsylvania Ave. N.W., Suite 5500
Washington
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ZURIATION OF THE STATE OF THE S
FILING DATE: 09-FEB-1996
ATTORNEY/AGENT INFORMATION:
NAME: MURASHIGE, KATE H.
REGISTRATION NUMBER: 29,959
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 887-1500
TELEFAX: (202) 887-1500
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/599,252
FILING DATE: 09-FEB-1996
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                      TELEX: 90-4030
INFORMATION FOR SEQ ID NO: 36: SEQUENCE CHARACTERISTICS: LENGTH: 22 base pairs TYPE: nucleic acid STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NAME: MURASHIGE, KATE H. REGISTRATION NUMBER: 29,959
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           REFERENCE/DOCKET NUMBER: 90
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 887-1500
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                4 ACTCTTCGCGGTGGCA 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 Acrerregereregen 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (202) 887-0763
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TELEX: 90-4030
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Best Local Similarity 87.5
Matches 14; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           LENGTH: 22 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   linear
                                                                                                                                                                                                                                                                                                                                                                                                                                      linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ;
PCT-US96-06583-36
                                                                                                                                                                                                                                                                                                                                                                                                                                      , TOPOLOGY:
PCT-US96-06352-36
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PCT-US96-06583-36
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               STATE: DC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TELEFAX:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          STREET:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
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GENERAL INFORMATION:

APPLICANT: Balley James E.
APPLICANT: BALLey James E.
APPLICANT: BALLEY JAMES.
APPLICANT: Remner, Wolfgang A.
ITILE OF INVENTION: ANOUNCE COTOSTATIC PROCESS
TITLE OF INVENTION: ANOUNCE COTOSTATIC PROCESS
TITLE OF INVENTION: ANOUNCE COTOSTATIC PROCESS
TORRESPONDENCE ADDRESS:
ADDRESSEE: Pennie & Edmonds LLP
STREET: 1155 Avenue of The Americas
CITY: New YORK
COUNTRY: USA
COUNTRY: USA
COUNTRY: USA
COMPUTER READALE FORM:
MEDIUM TYPE: Diskette
COMPUTER IBM Compatible
COMPUTER IBM Compatible
COMPUTER IBM Compatible
COMPUTER ADDRESS: US/08/948,381
FILING DATE: 14-OCT-1997
APPLICATION NUMBER: US/08/948,381
FILING DATE: 14-OCT-1997
APPLICATION NUMBER: 130,605
SOFTWARE: ADT-1887
APPLICATION NUMBER: 130,605
SOFTWARE: ADT-1887
APPLICATION NUMBER: 130,605
SOFTWARE: ADT-1887
APPLICATION NUMBER: 130,605
SOFTWARE: CSO-493-4935
TELECROWINGATION NUMBER: 130,605
SOFTWARE: ADT-1887
APPLICATION NUMBER: 130,6005
SOFTWARE: ADT-1887
APPLICATION NUMBER: 130,6005
SOFTWARE: ADT-1887
APPLICATION NUMBER: 130,6007
SOFTWARE: ADT-1887
APPLICATION NUMBER: 130,6005
SOFTWARE: ADT-1887
APPLICATION NUMBER
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Search completed: June 25, 2003, 00:24:38 Job time : 31.3586 secs

1 CCAACTCTTCGCGGTGGCA 19

8 8

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June 25, 2003, 13:28:54; Search time 60.7968 Seconds (without alignments).
482.732 Million cell updates/sec
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GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.
                                                                                                                                                                                                                                                      Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                1042519 seqs, 733713590 residues
                                                                                                                                                                                                                                                                                                                                                                                   Published_Applications_NA:*
                                                                                                                                                                                                                                                                                                                         Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
                                                   OM nucleic - nucleic search, using sw model
                                                                                                                                 US-08-770-564A-7
20
1 CCAACTCTTCGCGGTGGCAG 20
                                                                                                                                                                                        IDENTITY NUC Gapop 10.0 , Gapext 1.0
                                                                                                                                                                                                                                                                                   Minimum DB seq length: 0 Maximum DB seq length: 50
                                                                                                                                                                                         Scoring table:
                                                                                                                                  Title:
Perfect score:
                                                                                                                                                                                                                                                                                                                                                                                   Database :
                                                                                                                                                              Sequence:
                                                                                                                                                                                                                                Searched:
                                                                              Run on:
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

			æ					
Result	1 1 t		Query					
2	No.	Score	Match	Match Length DB	BB	QI	Description	
	н	13.4	67.0	46	6	US-10-199-209-5	Sequence 5, Appli	
	~	12.8	64.0	27	7	US-08-464-363-64	Sequence 64, Appl	
	٣	12.6	63.0	20	6	US-09-954-556-39	Sequence 39, Appl	
U	4	12.6	63.0	24	10	US-09-820-339A-23	•	
	ហ	12.4	62.0	25	6	US-10-098-263B-31566	Sequence 31566, A	
	9	12.2	61.0	20	10	US-09-909-849-17	Sequence 17, Appl	
	7	12.2	61.0	21	0	US-09-943-388-21	Sequence 21, Appl	
	æ	12.2	61.0	21	6	US-10-002-974-50	Sequence 50, Appl	
	σ	12.2	61.0	21	12	US-10-014-269-50	Sequence 50, Appl	
O	10	12.2	61.0	23	σ	US-10-084-826-37	Sequence 37, Appl	
υ	11	12.2	61.0	23	2	US-09-844-508-37	Sequence 37, Appl	
	12	12.2	61.0	25	σ	US-10-098-263B-12812	Sequence 12812, A	
υ	13	12.2	61.0	36	0	US-09-568-756-4	Sequence 4, Appli	
	14	12	0.09	23	σ	US-09-961-001-6	Sequence 6, Appli	
υ	15	12	60.0	25	σ	US-10-098-263B-46129	Sequence 46129, A	•
	16	12	0.09	25	0	US-10-098-263B-100241	Sequence 100241,	
	17	12	0.09	25	0	US-10-098-263B-116734	Sequence 116734,	
	18	12	60.0	33	σ	US-09-416-579A-11	Sequence 11, Appl	
U	19	11.8	59.0	25	σ	US-10-098-263B-47805	Sequence 47805, A	

54377, A 65406, A 65406, A 84572, A 87104, 115897, 115897, 9, Appli 116, Appli 116, Appli 116, Appli 116, Appli 116, Appli 12433, A 31554, A 31554, A 4831, Appli 124383, Appli 124383, Appli 124383, Appli 1363,	
sequence seq	φ L
25 9 US-10-098-263B-54377 25 9 US-10-098-263B-65405 25 9 US-10-098-263B-65406 25 9 US-10-098-263B-8772 25 9 US-10-098-263B-8772 25 9 US-10-098-263B-155897 25 9 US-10-098-263B-155149 25 9 US-10-098-263B-155149 25 9 US-10-098-263B-155149 25 9 US-10-098-263B-125149 25 9 US-10-103-480-9 25 9 US-10-103-480-9 25 9 US-10-098-263B-1343 25 9 US-10-098-263B-1343 25 9 US-10-098-263B-1343 25 9 US-10-098-263B-12433 25 9 US-10-098-263B-12433 26 9 US-10-098-263B-12433 27 9 US-09-847-478-4623 28 9 US-10-163-552-1061 29 US-10-163-552-1134 29 US-10-163-552-1134 29 US-10-163-552-1134 29 US-10-163-552-1134	ALIGNMENTS 10 19.209-5 10ce 5, Application US/10199209 10cation No. US20030066616A1 10cation No. US20030066616A1 10cation No. US20030066616A1 10coman, David J. 10cation Number US/09/461,908 10cation David Johnson, Application Number US/09/461,909 10cation David Johnson, Application Number US/09/627,071 10cation David Johnson Johnson Application Number US/09/627,071 10cation Johnson Johnson Johnson Application Number US/09/627,071 10cation Johnson Joh
	SULT 1 Sequence 5, Application US/101992 Sequence 5, Application US/101992 Publication No. US20030060616A1 GENERAL INFORMATION: Comman, David, Unpton, Stepher Mosley, Bruce P TITLE OF INVENTION: Type 1 NUMBER OF SEQUENCES: 14 CORRESPONDENCE ADDRESS: ADDRESSEE: 1011/Versity CITY: Seatle STARET: WA COUNTRY: USA ZIP: 98101 COMPUTER: NA COMPUTER: EMPLOATION DATA: APPLICATION DATA: APPLICATION DATA: APPLICATION NUMBER: UFILING DATE: CURKNOW APPLICATION NUMBER: UFILING DATE: AUGUSTOR APPLICATION NUMBER: UFILING DATE: AUGUSTOR APPLICATION NUMBER: UFILING DATE: AUGUSTOR APPLICATION NUMBER: UFILING DATE: 13-DEC-1 APPLICATION NUMBER: UFILING DATE: 13-DEC-1
	TITLE OF NUMBER OF CORRESPON APPLICANT APPLICANT APPLICANT COMPORER OF COMPORER OF COMPORER SOFT COMPORENT APPLICANT
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STRANDEDNESS: single
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Rogers, Bruce L.
APPLICANT: Morgenstern, Jay
APPLICANT: Bond, Julian F.
APPLICANT: Garman, Richard D.
APPLICANT: Greenstein, Julia E.
APPLICANT: Kuo, Mei-chang
APPLICANT: Kuo, Mei-chang
APPLICANT: Morvile, Malcolm
TITLE OF INVENTION: RECOMBITOPE PEPTIDES
  NAME: Wight, Christopher L.
REGIGIRATION NUMBER: 31680
REFERENCE/DOCKET NUMBER: 2003-C
TELECOMMUNICATION INFORMATION:
TELEPHONE: 206-233-0644
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 46 base pairs
TYPE: nucleic acid
STRANDEDNESS: Single
                                                                                                                                                                                                                                                                                                              ANTI-SENSE: N
SEQUENCE DESCRIPTION: SEQ ID NO: 5:
US-10-199-209-5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC Compatible
COPENATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: ASCII TEXT
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/464,363
FILING DATE: 05-UN-1995
PRIOR APPLICATION NUMBER: US 07/807,529
FILING DATE: 13-DEC-1991
APPLICATION NUMBER: US 07/662,276
FILING DATE: 28-FEB-1991
APPLICATION NUMBER: US 07/62,276
FILING DATE: 03-NOV-1989
ATTORNEY AGENT INFORMATION:
MANDER ATTORNEY AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NAME: Amy E. Mandragouras
REGISTRATION NUMBER: 36,207
REFERENCE/DOCKET NUMBER: IMI-015CN
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CORRESPONDENCE ADDRESS:
ADDRESSEE: Lahive & Cockfield
STREET: 60 State Street, Suite 510
CITY: Boston
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-08-464-363-64
; Sequence 64, Application US/08464363
; Publication No. US20030035815A1
; GENERAL INFORMATION:
                                                                                                                                                                                                                                            TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: N
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TELEPHONE: (617) 227-7400
INFORMATION FOR SEQ ID NO: 64:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      23 CAAACTCTTCGCGGT 37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                27 base pairs
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STATE: MA
COUNTRY: US
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APPLICANT: Brett P. Monia
APPLICANT: Bratt P. Monia
APPLICANT: Stan M. Freier
APPLICANT: Scott Cooper
TITLE OF INVENTION: ANTISENSE MODULATION OF FIBROBLAST GROWTH FACTOR RECEPTOR 2 EXPRIPTIVE OF INVENTION: ANTISENSE MODULATION OF FIBROBLAST GROWTH FACTOR RECEPTOR 2 EXPRIPTIVE REPRESENCE: RESPECTOR 108
CURRENT FILING DATE: 2001-09-14
NUMBER OF SEQ ID NOS: 108
SEQ ID NOS: 108
LENGTH: 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        GENERAL INFORMATION:

GENERAL INFORMATION:

APPLICANT: EUCHS, Sara
APPLICANT: EVCHS, Sara
APPLICANT: EXCHAN, Dora
APPLICANT: EXCRONDON, MITTAIN
TITLE OF INVENTION: RECOMBINANT FRAGMENTS OF THE HUMAN ACETYLCHOLINE RECEPTOR AND THITIE OF INVENTION: FOR TREATMENT OF WYASTHENIA GRAVIS
TITLE OF INVENTION: FOR TREATMENT OF WYASTHENIA GRAVIS
FILE REFERENCE: FUGHS=2A
CURRENT APPLICATION NUMBER: US/09/820,339A
FRIOR FILING DATE: 1999-11-08
PRIOR APPLICATION NUMBER: PCT/IL98/00211
PRIOR FILING DATE: 1998-05-06
NUMBER OF SEQ ID NOS: 32
SOFTWARE: PATCHTIN VERSION 3.0
SEQ ID NO 23
LENTHELSA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 20;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 12.6; DB 9;
Pred. No. 3e+03;
0; Mismatches 4;
                                                                                     Score 12.8; DB 7;
Pred. No. 2.3e+03;
0; Mismatches 2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              , OTHER INFORMATION: Antisense Oligonucleotide US-09-954-556-39
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 23, Application US/09820339A
Patent No. US20020081652A1
                                                                                                                                                                                                                                                                                                                                          Sequence 39, Application US/09954556
Publication No. US20030078219A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 CCAACTCTTCGCGGTGGCA 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          2 ccaacrgarcacccccc 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  63.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: DNA
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity 78.9%;
Matches 15; Conservative (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: DNA
ORGANISM: Artificial Sequence
                                                                                          64.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ; OTHER INFORMATION: synthetic US-09-820-339A-23
                                                                                                                                                                                       3 AACTCTTCGCGGTGGC
                                                                                            Query Match
Best Local Similarity 87.5
Matches 14; Conservative
; TOPOLOGY: linear; MOLECULE TYPE: CDNA
US-08-464-363-64
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-09-820-339A-23/c
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61.0%; Score 12.2; DB 9; Length 21; 82.4%; Pred. No. 4.8e+03;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   3; Indels
                                                                                                                                                                                                                                                                                                                                                                         Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 50, Application US/10002974
Publication No. US20020197616A1
GENERAL INFORMATION:
APPLICANT: Unnez, Gabriel
APPLICANT: Ogur, Yasunori
APPLICANT: Olo, Judy
APPLICANT: Nicolae, Dan L
APPLICANT: Bonen, Denise, Dan L
APPLICANT: Bonen, Denise, Dan L
APPLICANT: Nicolae, Dan L
APPLICANT: Nicolae, Dan L
APPLICANT: Noclae, Dan L
APPLICANT: Noclae, Dan L
APPLICANT: Noclae, Dan L
APPLICANT: Bonen, Denise Septiment APPLICANTON: NOWER: US/10/002,974
CURRENT APPLICANTON NUMBER: US/10/002,974
CURRENT FILING DATE: 2001-10-26
NUMBER OF SEQ ID NOS: 99
SOFTWARE: Patentin version 3.1
SEQ ID NO 50
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 50, Application US/10014269
Patent No. US20020127673A1
GENERAL INFORMATION:
APPLICANT: Nunez, Gabriel
APPLICANT: Inohara, Naohiro
APPLICANT: Ogur, Yasunoxi
TITLE OF INVENTION: NOD2 Nucleic Acids and Proteins
FILE REFERENCE: UM-06645
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      2; DB 9;
4.8e+03;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 12.2;
Pred. No. 4.
                                      PRIOR APPLICATION NUMBER: 09/839,706
PRIOR APPLICATION NUMBER: 2000-04-25
PRIOR APPLICATION NUMBER: 2000-04-25
PRIOR APPLICATION NUMBER: 2000-04-25
NUMBER OF SEQ ID NOS: 44
SOFTWARE: FASTSEQ for Windows Version 3.0
SEQ ID NO 21
LENGTH: 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CURRENT APPLICATION NUMBER: US/10/014,269
CURRENT FILING DATE: 2001-10-26
NUMBER OF SEQ ID NOS: 52
SOFTWARE: Patentin version 3.1
SEQ ID NO 50
LENGTH: 21
CURRENT APPLICATION NUMBER: US/09/943,388 CURRENT FILING DATE: 2001-08-30
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0
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                  2 ACACTCCGTGGTGGCAG 18
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity 82.4*;
Matches 14; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ; FEATURE:
; OTHER INFORMATION: Synthetic
US-10-002-974-50
                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity 82.4
Matches 14; Conservative
                                                                                                                                                                                                                            ; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-943-388-21
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US-10-014-269-50
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    Gaps
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Patent No. US20020106754A1
GENERAL INFORMATION:
APPLICANT: Tauch, Andreas
TITLE OF INVENTION: Nucleotide Sequences Which Code for the alr Gene FILE REFERENCE: 032301 WD 173
CURRENT APPLICATION NUMBER: US/09/909,849
CURRENT FILING DATE: 2001-07-23
NUMBER OF SEQ ID NOS: 20
SOFTWARE: Patentin version 3.1
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                                                                                                                                                                                               Sequence 31566, Application US/10098263B
Publication No. US20030104410A1
GENERAL INFORMATION:
APPLICANT: Mitchael
TITLE OF INVENTION: Human Microarray
FILE REFERENCE: 3118.1
CURRENT APPLICATION NUMBER: US/10/098,263B
CURRENT APPLICATION NUMBER: 60/276,759
PRIOR APPLICATION NUMBER: 60/276,759
PRIOR APPLICATION NUMBER: 60/276,759
PRIOR APPLICATION NUMBER: 60/276,759
SPRIOR APPLICATION NUMBER: 60/276,759
SPRIOR APPLICATION NUMBER: 60/276,759
SPRIOR SEQ ID NOS: 131066
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
LENGTH: 25
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Pred. No. 3.8e+03;
  4; Indels
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Patent No. US20020160953A1
GENERAL INFORMATION:
APPLICANT: Holloway, James L.
APPLICANT: Webster, Philippa J.
APPLICANT: Webster, Edward C.
TITLE OF INVENTION: Mammalian Glycoprotein Hormone-1
PILE REFERENCE: 00-34
0; Mismatches
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                                             1 CCAACTCTTCGCGGTGGCA 19
                                                                                      23 cceaercrececedrerea 5
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92.9%;
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Matches 13; Conservative
15; Conservative
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US-10-098-263B-31566
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US-09-909-849-17
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LENGTH: 20
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Matches
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RESULT 12
US-10-098-263B-12812
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Sequence 37, Application US/09844508;
Batent No. US20020115215A1;
GENERAL INFORMATION:
APPLICANT: WOLFFE, Alan P.
APPLICANT: COLLINGWOOD. Trevor
ITILE OF INVENTION: TARGETED MODIFICATION OF CHROMATIN STRUCTURE
FILE REPERRENCE: 8325-0014 / 814-US1
CURRENT APPLICATION NUMBER: 60/200,590
PRIOR PILING DATE: 2000-04-28
PRIOR PILING DATE: 2000-04-28
PRIOR PILING DATE: 2000-08-28
NUMBER OF SEQ ID NOS: 49
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 37
LENGTH: 23
                                                                                                                                                                                                                                                                                                                                                       pequence 37, Application US/10084826

publication No. US20030049649A1

GENERAL INFORMATION:

APPLICANT: WOLFE, Alan P.

TILE OF INVENTION: TARGETED MODIFICATION OF CHROMATIN STRUCTURE

FILE REPERENCE: 8325-0014 / S14-US1

CURRENT FILING DATE: 2002-02-24

PRIOR APPLICATION NUMBER: 09/844,508

PRIOR APPLICATION NUMBER: 60/84,508

PRIOR PLING DATE: 2000-04-27

PRIOR PLING DATE: 2000-08-28

NUMBER OF SEQ ID NOS: 49

NUMBER OF SEQ ID NOS: 49

NUMBER OF SEQ ID NOS: 49
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                                                                                                                          Length 21;
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                                                                                                                        Query Match
61.0%; Score 12.2; DB 12;
Best Local Similarity 82.4%; Pred. No. 4.8e+03;
Matches 14; Conservative 0; Mismatches 3;
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TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
                                                    ) OTHER INFORMATION: Synthetic US-10-014-269-50
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US-09-844-508-37/c
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LENGTH: 23
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Patent No. US20020164782A1
GENERAL INPORMATION:
APPLICANT: Gregory, R.J., Armentano, D., Couture, L.A., Smith, A.B.
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Score 12.2; DB 10; Length 23; Pred. No. 4.8e+03;
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SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 12812
LENOTH: 25
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Indels
                                             3; Indels
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Pred. No. 4.8e+03;
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APPLICATION NUMBER: 08/136,742
FILLING DATE: 13-0CT-1993
APPLICATION NUMBER: US 07/985,478
FILLING DATE: 03-DEC-1992
ATTORNEY/AGENT INFORMATION:
NAME: Seide, Rochelle K.
REGISTRATION NUMBER: 32,300
REFERENCE/DOCKET NUMBER: A30668A
                                                                                                                                                                                                                                                     Sequence 12812, Application US/10098263B
) Publication No. US20030104410A1
) GENERAL INFORMATION:
APPLICANT: Mittman, Michael
) TITLE OF INVENTION: Human Microarray
FILE REFERENCE: 3118.1
CURRENT APPLICATION NUMBER: US/10/098,263B
) CURRENT FILING DATE: 2003-01-08
) PRIOR APPLICATION NUMBER: 60/276,759
PRIOR FILING DATE: 2001-03-16
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APPLICATION NUMBER: US/09/568,756
                                                0; Mismatches
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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
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CLASSIFICATION: <Unknown>
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61.0%;
Best Local Similarity 82.4%;
Matches 14; Conservative (
    Query Match 61.0%;
Best Local Similarity 82.4%;
Matches 14; Conservative
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ZIP: 10112
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; ORGANISM: Homo sapien
US-10-098-263B-12812
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; Publication No. US20030109466A1
; GENERAL INPORMATION:
; APPLICANT: Brett P. Monia
; APPLICANT: Busan M. Freier
; TITLE OF INVENTION: ANTISENSE MODULATION OF KSR EXPRESSION
; CURRENT APPLICATION WUMBER: US/09/961,001
; CURRENT PILING DATE: 2001-09-20
; NUMBER OF SEQ ID NOS: 87
; SEQ ID NO 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match 61.0%; Score 12.2; DB 9; Length 36; Best Local Similarity 82.4%; Pred. No. 4.8e+03; Matches 14; Conservative 0; Mismatches 3; Indels
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                                              ; INPORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; SEQUENCE CHARACTERISTICS:
; TABUTH: 3 & Dase pairs
; TYPE: nucleic acid
; SEQUENCE TYPE: cDNA
; SEQUENCE DESCRIPTION: SEQ ID NO: 4:
US-09-568-756-4
TELECOMMUNICATION INFORMATION
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ORGANISM: Artificial Sequence
PEATURE:
OTHER INFORMATION: PCR Probe
US-09-961-001-6
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; ORGANISM: Homo sapien
US-10-098-263B-46129
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Best Local Similarity
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US-09-961-001-6
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29: /cgm2 6/ptodata/2/pna/USOB 6 COMB.seq:*
20: /cgm2 
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GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.
                                                                                                                                                                                                                                                                                                                                                                                                                                                 24791104 segs, 12571243825 residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
                                                                                                nucleic search, using sw model
                                                                                                                                                                                                                                                                                                                  1 CCAACTCTTCGCGGTGGCAG 20
                                                                                                                                                                                                                                                                                                                                                                   IDENTITY NUC
Gapop 10.0 , Gapext 1.0
                                                                                                                                                                                                                                                        US-08-770-564A-7
20
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                                                                                                                                                                                                                                                                                         Perfect score:
                                                                                                        •
                                                                                                   OM nucleic
                                                                                                                                                                                                                                                                                                                     Sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                 Searched:
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Database

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cgn2_6/ptodata/2/pna/US6001_COMB.seq:*

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cgn2_6/ptodata/2/pna/US6002_COMB.seq:*

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cgn2_6/ptodata/2/pna/US6009_COMB.seq:*

cgn2_6/ptodata/2/pna/US6010_COMB.seq:*

cgn2_6/ptodata/2/pna/US6010_COMB.seq:*

cgn2_6/ptodata/2/pna/US6011_COMB.seq:*

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cgn2_6/ptodata/2/pna/US6011_COMB.seq:*

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cgn2_6/ptodata/2/pna/US6011_COMB.seq:*

cgn2_6/ptodata/2/pna/US6012_COMB.seq:*

cgn2_6/ptodata/2/pna/US6012_COMB.seq:*

cgn2_6/ptodata/2/pna/US6012_COMB.seq:*

cgn2_6/ptodata/2/pna/US6012_COMB.seq:*

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cgn2_6/ptodata/2/pna/US6023_COMB.seq:*

cgn2_6/ptodata/2/pna/US6023_COMB.seq:*

cgn2_6/ptodata/2/pna/US6033_COMB.seq:*

cgn2_6
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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_	7, Appli	7, Appl	, Appli	5, Appl	105231,	105231,	105231,	86453,	15, Appl	198291,	564849,	198291,	550890,	207601,	42, App	242, App	243, 7	20311	564846,		283954,
Description	Sequence 7, Appl	Sequence 7, Appl	Sequence 5,	Sequence 5,	Seguence	Sequence	Seguence	Sequence 86453,	Sequence 15, App.	Sequence	Sequence	Sequence	Sequence	Seguence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence
	CT-US97-23619-7	US-08-770-564A-7	PCT-US97-23619-5	US-08-770-564A-5	JS-09-956-604-105231	US-09-956-604A-105231	JS-09-956-604B-105231	US-60-234-049-86453	US-08-521-634-15	JS-09-954-427-198291	JS-09-956-584-564849	JS-60-233-166-198291	JS-60-234-017-550890	JS-60-353-987-207601	JS-09-338-248-42	JS-09-338-248-242	JS-09-338-248-243	US-09-660-220-20311	US-09-956-584-564846	US-60-234-017-550884	JS-60-353-987-283954
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* Query Match Length DB	20	. 02	30	30	25	25	25	25	24	52	25	25	25	52	36	36	36	25	25	25	52
& Query Match	100.0	100.0	100.0	100.0	90.0	90.0	90.0	90.0	80.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	69.0	69.0	69.0	0.69
Score	20	20	20	20	18	18	18	18	16	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	13.8	13.8	13.8	13.8
Result No.	ч	7	m	4	0	و ت	c 7	8 0	ი თ	10	o 11	12	c 13	C 14	c 15	16	17	c. 18		c 20	21

Gaps

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Generace 7, Application US/08770564A
GENERAL INFORMATION:
APPLICANT: Kealey, James T.
APPLICANT: Pruzan, Ron
APPLICANT: Weinrich, Scott L.
TITLE OF INVENTION: Inhibitory Polymucleotides Directed
TITLE OF INVENTION: Against the RNA Component of Telomerase
NUMBER OF SEQUENCES: 15
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                100.0%; Score 20; DB 11; Length 20; 100.0%; Pred. No. 8; or Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                      Query Match 100.0%; Score 20; DB 1; Length 20; Best Local Similarity 100.0%; Pred. No. 8; Matches 20; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      COUNTRY: USA

ZIP: 94111

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/770,564A
FILING DATE: 20-DEC-1996
CLASSIFICATION: 5.14
ATTORNEY/AGENT INPORMATION:
NAME: SLOYEDIA, JOHN R.
REGISTRATION NUMBER: 32,944
REFERENCE/DOCKET UNGHER: 31,944
REFERENCE/DOCKET UNGHER: 015389-002200US
TELEPHONE: 415-576-0200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADDRESSEE: TOWNSEND and TOWNSEND and CREW LLP STREET: Two Embarcadero Center, 8th Floor STREET: San Francisco STATE: CA
                                                                                                                               MOLECULE TYPE: DNA
FEATURE:
NAME/KEY:
COCATION: 1..20
OTHER INFORMATION: /note= "oligo 16bc"
PCT-US97-23619-7
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Matches 20; Conservative
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 base pairs
20 base pairs
                                   TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           nucleic acid
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               MOLECULE TYPE: DNA
                                                                                                      linear
                                                                                                      TOPOLOGY:
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PCT-US97-23619-5
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US-08-770-564A-7
       LENGIH:
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                                                                                                                                                                                                                    Sequence 67492, A
                                                                                                                                                 Sequence 392741,
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Seguence 446035,
                                                                                                          Sequence 288027
                                                                                                                                                                             Sequence 48
                                                                                                                                                                                                                                                                                                                    Sequence 1
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Sequence 8
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APPLICANT:
TITLE OF INVENTION: Methods for Detecting and Inhibiting the TITLE OF INVENTION: RNA Component of Telomerase
NUMBER OF SEQUENCES: 29
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CURRENT APPLICATION DATA:
CURRENT APPLICATION DATA:
APPLICATION UNDERS:
PLING DATE: NOT yet assigned
CLASSIPICATION DATA:
PRING DATE: NOT yet assigned
CLASSIPICATION DATA:
PRING APPLICATION DATA:
APPLICATION NUMBER: US 08/770,564
FILING DATE: 20-DEC-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/770,565
FILING DATE: 20-DEC-1996
ATTORNEY/AGENT INFORMATION:
NAME: SCORELLA, JOHN R.
REGISTRATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 15389-27PC
TELEPHONE: (415) 576-0200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADDRESSEE: Townsend and Townsend and Crew LLP STREET: Two Embarcadero Center, Eighth Floor CITY: San Francisco STATE: California COUNTE: California COUNTE: USA CONPUTER READBALE FORM:
MEDIUM TYPE: Floppy disk COMPUTER: IBM PC COMPAtible COMPUTER: IBM PC COMPATIBLE OFFICE OFF
   US-10-056-229-224
US-09-954-427-159814
US-09-956-584-2880210
US-09-956-584-2880210
US-09-956-584-287210
US-09-956-584-487990
US-09-956-604A-67492
US-09-956-604A-67492
US-09-956-604A-67492
US-09-956-604A-67492
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US-09-956-604A-67492
US-00-234-017-294574
US-60-234-017-294574
US-60-234-017-496035
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US-60-234-017-496035
US-60-234-017-496035
US-60-234-017-496035
US-60-353-987-856409
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US-09-396-196G-59504
US-09-396-196G-59515
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 7, Application PC/TUS9723619
GENERAL INFORMATION:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TELEPHONE: (415) 576-0200
TELEPAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
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Gaps

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APPLICANT: Mittmann, Michael
TITLE OF INVERTION: Methods of Genetic Analysis of Escherichia coli
FILE REFERENCE: 3117.1
CURRENT APPLICATION NUMBER: US/09/956,604
CURRENT FILING DATE: 2001-09-19
RICHARD APPLICATION NUMBER: 60/234,049
PRIOR FILING DATE: 2000-09-19
NUMBER OF SEQ ID NOS: 141629
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 105231
LENGTH: 25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ö
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                                                                                                                                                                                                                               OURTHAND STRIEM: TO LOUS/MD-LOUS
SOFTWARE PATENTIN Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/770,564A
FILING DATE: 20-DEC-1996
CLASSIFICATION: 514
ATTONNEY/AGENT INPORMATION:
NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
REFERENCE/POCKET NUMBER: 32,944
RELEPHONE: 415-576-020
TELEPHONE: 415-576-020
INFORMATION POR SEQ ID NO: 5: SEQUENCE CHARACTERISTICS:
LENGTH: 30 base pairs
LENGTH: 30 base pairs
     TOWNSEND and TOWNSEND and CREW LLP
                           STREET: Two Embarcadero Center, 8th Floor
CITY: San Francisco
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Mismatches
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US-059-956-604A-105231/c
Sequence 105231, Application US/09956604A
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ; Sequence 105231, Application US/09956604; GENERAL INFORMATION:
                                                                                                                                            COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       90.0%; Scc.
100.0%; Pre
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Best Local Similarity 100.
Matches 20; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ; ORGANISM: Escherichia coli
US-09-956-604-105231
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match 90.0
Best Local Similarity 100.
Matches 18; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      MOLECULE TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            RESULT 5
US-09-956-604-105231/c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-08-770-564A-5
                                                                           STATE: C. COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
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                                                                                                                                                                                       Methods for Detecting and Inhibiting the RNA Component of Telomerase
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APPLICANT: Pruzan, Ron
APPLICANT: Pruzan, Ron
TITLE OF INVENTION: Inhibitory Polynucleotides Directed
TITLE OF INVENTION: Against the RNA Component of Telomerase
NUMBER OF SEQUENCES: 15
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 100.0%; Score 20; DB 1; Length 30; 100.0%; Pred. No. 8.2;
                                                                                                                                                                                                                                                                                                                                                                                                    COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: Floppy disk
COMPUTER: Eloppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US97/23619
FILING DATE: Not yet assigned
CLASSIFICATION:
                                                                                APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
TITLE OF INVENTION: Methods ru-
TITLE OF INVENTION: RNA COMPONENT or
TITLE OF INVENTION: RNA COMPONENT or
CORRESPONDES:
ADDRESSEE: TOWNSEND and TOWNSEND and Crew LLP
TWO Embarcadero Center, Eighth Floor
TRIT: Two Embarcadero Center, Eighth Floor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/770,564
FILING DATE: 20-DEC-1996
PRIOR APPLICATION NATA:
APPLICATION NUMBER: US 08/770,565
FILING DATE: 20-DEC-1996
ATTONNEY/AGENT INPORMATION:
NAME: SLOTELLA, JOHN R.
REGISTRATION NUMBER: 32,944
REPERENCE/DOCKET NUMBER: 15389-27PC
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0300
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 30 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NAME/KEY: -
1.30
1.0CATION: 1..30
PCT-US97-23619-5
PCT-US97-23619-5
Sequence 5, Application PC/TUS9723619 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 5, Application US/08770564A GENERAL INFORMATION:
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Best Local Similarity 100.0
Matches 20; Conservative
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STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         MOLECULE TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RESULT 4
US-08-770-564A-5
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Gaps

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Gaps

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Gaps
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                                                                                                                                                                                                                    Sequence 15, Application US/08521634
GENERAL INFORMATION:
APPLICANT: Villeponteau, Bryant
APPLICANT: Feng, Junli
APPLICANT: Funk, Walter
APPLICANT: Andrews, William
TITLE OF INVENTION: Mammalian Telomerase
NUMBER OF SEQUENCES: 66
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew
STREET: One Market Plaza, Steuart Tower, Suite 2000
CITY: San Francisco
STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/521,634
                               Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       REFERENCE/DOCKET NUMBER: 15389-000850
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-326-2400
      100.0%; Pred. No. tive 0; Mismatcl
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PALLICATION NUMBER: US 08/472,802
PILING DATE: 7-UNL-1995
PRICATION DATA:
APPLICATION DATA:
APPLICATION NUMBER: US 08/330,123
FILING DATE: 27-OCT-1994
PRICATION NUMBER: US 08/272,102
FILING DATE: 7-UL-1994
ATTORNEY/AGENT INFORMATION:
NAMM: DUMIN, TRACY J.
REGISTRATION NUMBER: 34,587
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TOPOLOGY: linear MOLECULE TYPE: DNA (oligonucleotide)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            FILING DATE: 31-AUG-1995
CLASSIFICATION: 435
IOR ADDITOR: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/482,115
FILING DATE: 7-UUN-1995
FILING PAPLICATION DATA:
APPLICATION NUMBER: US 08/472,802
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                    21 CAACTCTTCGCGGTGGCA 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity 100.
Matches 16; Conservative
                           18; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              INFORMATION FOR SEC ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COMPUTER READABLE FORM: MEDIUM TYPE: Floppy
      Best Local Similarity
Matches 18; Conserva
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US-09-954-427-198291
                                                                                                                                                                                  RESULT 9
US-08-521-634-15/c
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: Mittmann, Michael
TITLE OF INVENTION: Methods of Genetic Analysis of Escherichia coli
FILE REFERENCE: 3117.1
CURRENT APPLICATION NUMBER: US/09/956,604B
CURRENT PILING DATE: 2001-09-19
PRIOR PILING DATE: 2000-09-19
NUMBER: OF SEQ ID NOS: 141629
SOPTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 105231
TITLE OF INVENTION: Methods of Genetic Analysis of Escherichia coli

FILE REFERENCE: 3117.1

CURRENT APPLICATION NUMBER: US/09/956,604A

CURRENT FILING DATE: 2001.09-19

PRIOR PILING DATE: 2000-09-19

PRIOR FILING DATE: 2000-09-19

NUMBER OF SEQ ID NOS: 141629

SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1

SEQ ID NO 105231
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                                                                                                                                                                                                                                                                                                                 DB 36; Length 25, 90;
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GENERAL INFORMATION:
APPLICANT: Mittmann, Michael
APPLICANT: Affwerix, Inc.
TITLE OF INVENTION: Becherichia coli
TITLE OF INVENTION: Escherichia coli
FILE REPERBENCE: 3117
CURRENT APPLICATION NUMBER: US/60/234,049
CURRENT PILING DATE: 2000-09-19
NUMBER OF SEQ ID NOS: 141629
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 8653
                                                                                                                                                                                                                                                                                                                                                             0; Mismatches
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; PUBLICATION INFORMATION:
DATABASE ACCESSION NUMBER: Genbank U00096
US-60-234-049-86453
                                                                                                                                                                                                                                                                                                             Query Match 90.0%; Score 18; Best Local Similarity 100.0%; Pred. No. Matches 18; Conservative 0; Mismatch
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US-09-956-604B-105231/c
; Sequence 105231, Application US/09956604B
; GENERAL INFORMATION:
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                                                                                                                                                                                                                             ; TYPE: DNA; Cacherichia coli
GS-09-956-604A-105231
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Matches 18; Conservative
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0; Mismatches
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PUBLICATION TRYORMATION:
DATABASE ACCESSION NUMBER: Genbank AV100189
US-60-234-017-550890
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0; Mismatches
; PUBLICATION INFORMATION:
; DATABASE ACCESSION NUMBER: GenBank AA998576
US-60-233-166-198291
                                                                                                                                                                                                                                                            RESULT 13
US-60-234-017-550890/c
; Sequence 550890, Application US/60234017
; GENERAL INFORMATION:
; APPLICANT: Mittmann, M
; APPLICANT: Affymetrix, Inc.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       RESULT 14
US-60-353-987-207601/c
; Sequence 207601, Application US/60353987
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 42, Application US/09338248 GENERAL INFORMATION:
                                                                                                                                                            2 CAACTCTTCGCGGTGGCAG 20
                                                                                                                                                                                                    7 CAAGACTTCGCAGTGGCAG 25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1 CCAACTCTTCGCGGTGGCA 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1 CCAACTCTTCGCGGTGGCA 19
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84.2%;
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84.2%;
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                                                                             Query Match 71.0%;
Best Local Similarity 84.2%;
Matches 16; Conservative
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Best Local Similarity 84.27
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Best Local Similarity 84.2
Matches 16; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: DNA
CORGANISM: Homo sapien
US-60-353-987-207601
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SOFTWARE: Fast
SEQ ID NO 550890
LENGTH: 25
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LENGTH: 25
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US-09-338-248-42/c
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APPLICANT: Affymetrix, Inc.

TITLE OF INVENTION: Methods of Genetic Analysis of the Rat
TITLE OF INVENTION: Genome
TITLE OF INVENTION: Genome
CURRENT REFERENCE: 312
CURRENT APPLICATION NUMBER: US/09/954,427
CURRENT PILIOR DATE: 2001-09-17
NUMBER OF SEQ ID NOS: 420907
SOPTWARE: PastSEQ for Windows Version 4.0
SEQ ID NO 198291
LENGTH: 25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RESULT 11
US-09-95-584-564849/C

Sequence 564849, Application US/09956584

Sequence 56484710N:

APPLICANT: Mitchael

TILE OP INVENTION: Methods of Genetic Analysis of Mus Musculus

FILE REFERENCE: 315:1

CURRENT APPLICATION NUMBER: US/09/956,584

CURRENT PILING DATE: 2001-09-19

PRIOR PILING DATE: 2000-09-20

PRIOR FILING DATE: 2000-09-20
                                                                                                                                                                                                                                                                                                                                                                                   Length 25;
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GENERAL INFORMATION:
APPLICANT: Mittmentix, Inc.
TITLE OF INVENTION: Methods of Genetic Analysis of the Rat TITLE OF INVENTION: Genome
FILE REFERENCE: 3112
CURRENT APPLICATION NUMBER: US/60/233,166
CURRENT APPLICATION NUMBER: 2000-110-24
NUMBER OF SEQ ID NOS: 420907
SOFTWARE: PRESERY for Windows Version 4.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NUMBER OF SEQ ID NOS: 605887
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 564849
LENGTH: 25
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                                                                                                                                                                                                                                                                                                                                                                                 71.0%; Score 14.2; DB 36;
84.2%; Pred. No. 8.8e+03;
tive 0; Mismatches 3;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 14.2; DB 36;
Pred. No. 8.8e+03;
0; Mismatches 3;
                                                                                                                                                                                                                                                                                                PUBLICATION INFORMATION:
DATABASE ACCESSION NUMBER: GenBank AA998576
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 2 CAACTCTTCGCGGTGGCAG 20
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84.2%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match 71.0
Best Local Similarity 84.2
Matches 16, Conservative
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Matches 16; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ; TYPE: DNA
; ORGANISM: Mus musculus
US-09-956-584-564849
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LENGTH: 25
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TITLE OF INVENTION: Methods of Genetic Analysis of Probes: HG-U133
FILE REPERENCE: 3121
CURRENT APPLICATION NUMBER: US/60/353,987
CURRENT FILING DATE: 2002-02-01
NUMBER OF SEQ ID NOS: 997516
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
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  25;
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  Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Indels
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                                                                                                                                                                                                                                                                           APPLICANT: Mittmann, M
APPLICANT: Affymetrix, Inc.
APPLICANT: Affymetrix, Inc.
TITLE OF INVENTION: Methods of Genetic Analysis of Mus
TITLE OF INVENTION: musculus
FILE REFERENCE: 3115
CURRENT APPLICATION NUMBER: US/60/234,017
CURRENT FILING DATE: 2000-09-20
NUMBER OF SEQ ID NOS: 605887
SOFTWARE: FastSEQ for Windows Version 4.0
Score 14.2; DB 67;
Pred. No. 8.8e+03;
0; Mismatches 3;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 14.2; DB 67;
Pred. No. 8.8e+03;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 14.2; DB 79;
Pred. No. 8.8e+03;
0; Mismatches 3;
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Search completed: June 25, 2003, 06:20:25 Job time : 1698.67 secs

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GenCore version 5.1.6
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June 25, 2003, 13:28:55 ; Search time 477.769 Seconds (without alignments) 292.710 Million cell updates/sec OM nucleic - nucleic search, using sw model Run on:

US-08-770-564A-7 20 1 CCAACTCTTCGCGGTGGCAG 20 Title: Perfect score: Sequence:

IDENTITY NUC Gapop 10.0 , Gapext 1.0 Scoring table:

7860393 seqs, 3496198572 residues Searched:

Total number of hits satisfying chosen parameters:

8677950

Minimum DB seq length: 0 Maximum DB seq length: 50

Post-processing: Minimum Match 0% Maximum Match 100% Listing first 45 summaries

Pending Patente_NA New:*

1: /cgn2_6/ptodata/1/pna/USO6_NEW_COMB.seq:*

2: /cgn2_6/ptodata/1/pna/USO6_NEW_COMB.seq:*

3: /cgn2_6/ptodata/1/pna/USO7_NEW_COMB.seq:*

4: /cgn2_6/ptodata/1/pna/USO8_NEW_COMB.seq:*

5: /cgn2_6/ptodata/1/pna/USO8_NEW_COMB.seq:*

6: /cgn2_6/ptodata/1/pna/USO8_NEW_COMB.seq:*

7: /cgn2_6/ptodata/1/pna/USO9_NEW_COMB.seq2:*

7: /cgn2_6/ptodata/1/pna/USO9_NEW_COMB.seq2:*

9: /cgn2_6/ptodata/1/pna/USO9_NEW_COMB.seq2:*

10: /cgn2_6/ptodata/1/pna/USO8_NEW_COMB.seq2:*

11: /cgn2_6/ptodata/1/pna/USO8_NEW_COMB.seq2:*

12: /cgn2_6/ptodata/1/pna/USO8_NEW_COMB.seq2:*

13: /cgn2_6/ptodata/1/pna/USO8_NEW_COMB.seq2:*

13: /cgn2_6/ptodata/1/pna/USO8_NEW_COMB.seq2:*

13: /cgn2_6/ptodata/1/pna/USO8_NEW_COMB.seq2:* Database :

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	ult No.	Score	Query Match	Query Match Length DB	DB	ID	Description
υ	-	16	80.0	21	п	PCT-US03-04088-588	Sequence 588, App
υ	~	16	80.0	23	7	PCT-US03-04088-530	
	m	14.8	74.0	31	9	US-09-890-648-6	Sequence 6, Appli
	4	14.8	74.0	43	10	US-10-299-054A-7701	Sequence 7701, Ap
υ	ហ	14.2	71.0	25	σ	US-10-355-577-207601	Sequence 207601,
	9	14.2	71.0	25	12	US-60-427-808-776553	Sequence 776553,
	٢	14.2	71.0	34	ស	US-09-462-405C-4	Sequence 4, Appli
O	œ	14.2	71.0	20	10	US-10-009-792A-5	Sequence 5, Appli
υ	0	14	70.0	19	н	PCT-US03-04088-258	Sequence 258, App
	10	14	70.0	21	ч	PCT-US03-04088-593	Sequence 593, App
	11	14	70.0	25	12	US-60-427-836-401411	Sequence 401411,
υ	12	13.8		25	9	US-09-660-222-20311	Sequence 20311, A
	13	13.8		25	σ	US-10-355-577-283954	Sequence 283954,
υ	14	13.8		25	12	US-60-427-808-239182	Sequence 239182,
υ	15	13.8		25	12	US-60-427-808-294455	Sequence 294455,
υ	16	13.8		25	12	US-60-427-808-546726	Sequence 546726,
	17	13.8		25	12	US-60-427-836-424019	Sequence 424019,
	18	13.6		20	9	US-09-964-059B-139	Sequence 139, App
υ	19	13.6		25	6	US-10-355-577-850409	Sequence 850409,
υ	20	13.6		25	12		Semience 374528.

	sednence 823538,	Sequence 823539,	Sequence 37984, A	Sequence 386767,	Sequence 386768,	Sequence 654361,	Sequence 5, Appli	Sequence 1381, Ap	Sequence 225795,	Sequence 270910,	Sequence 599429,	Sequence 600356,	Sequence 806473,	Sequence 12321, A	Sequence 252863,	Sequence 252864,	Sequence 295640,	Sequence 276560,	Sequence 296253,	Seguence 342508,	Sequence 342509,	Sequence 1492, Ap	Sequence 7814, Ap	Sequence 22, Appl	Sequence 286, App
	05-60-42/-808-82338	US-60-427-808-823539	US-60-288-292-37984	US-10-355-577-386767	US-10-355-577-386768	US-10-355-577-654361	US-10-199-209A-5	US-09-953-570-1381	US-10-355-577-225795	US-10-355-577-270910	US-10-355-577-599429	US-10-355-577-600356	US-10-355-577-806473	US-60-427-808-12321	US-60-427-808-252863	US-60-427-808-252864	US-60-427-808-295640	US-60-427-836-276560	US-60-427-836-296253	US-60-427-836-342508	US-60-427-836-342509	US-10-089-177-1492	US-10-325-899-7814	PCT-US03-04088-22	PCT-US03-04088-286
,	77	12	12	σ	σ	σ	10	7	σ	σ	0	σ	σ	12	12	12	12	12	12	12	12	σ	Φ	-	7
į	72	25	45	52	25	25	46	25	25	25	25	52	. 25	25	25	25	25	25	52	25	25	56	20	19	19
	98.0	68.0	68.0	67.0	67.0	67.0	67.0	0.99	0.99	0.99	0.99	66.0	0.99	0.99	0.99	0.99	0.99	0.99	66.0	0.99	0.99	0.99	0.99	65.0	65.0
, e	13.6	13.6	13.6	13.4	13.4	13.4	13.4	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13	13
č	77	22	23	24	25	56	27	28	c 29	30	c 31	32	c 33	c 34	35	36	37	c 38	39	c 40	c 41	c 42	c 43	C 44	45

ALIGNMENTS

RESULT 1	
PCT-US03-04088-588/c	
; Sequence 588, Application PC/TUS0304088	
GENERAL INFORMATION:	
щ,	
; APPLICANT: Beigelman, Leonid	
; TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerage Gene	
; TITLE OF INVENTION: Expression Using Short Interfering RNA (sinA)	
; FILE REFERENCE: 02-708-A (400/080)	
CURRENT APPLICATION NUMBER: PCT/US03/04088	
; CURRENT FILING DATE: 2003-04-28	
; PRIOR APPLICATION NUMBER: US 60/396,600	
PRIOR FILLING DATE: 2002-07-17	
: PRIOR APPLICATION NUMBER: US 60/363.124	
: PRIOR FILING DATE: 2002-06-06	
•	
; PRIOR FILLING DATE: 2002-08-29	
; PRIOR FILING DATE: 2002-09-05	
; PRIOR APPLICATION NUMBER: US 60/409,293	
; PRIOR FILING DATE: 2002-09-09	
; PRIOR APPLICATION NUMBER: US 60/440,129	
; PRIOR FILING DATE: 2003-01-15	
; NUMBER OF SEQ ID NOS: 626	
; SOFTWARE: PatentIn version 3.2	
; SEO ID NO 588	
; LENGTH: 21	
; TYPE: RNA	
; ORGANISM: Artificial	
FEATURE:	
, OTHER INFORMATION: Description of Artificial Sequence: Target sequence/sinA sense	
ION: region	
PCT-US03-04088-588	

ö Gaps ö Query Match 80.0%; Score 16; DB 1; Length 21; Best Local Similarity 100.0%; Pred. No. 3.2e+02; Matches 16; Conservative 0; Mismatches 0; Indels

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CURRENT APPLICATION NUMBER: US/10/355,577
CURRENT FILING DATE: 2003-01-31
NUMBER OF SEQ ID NOS: 997516
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ö
                                                       ö
                                                                                                                                                                                                                                                                                                                      APPLICANT: Feldmann, Richard J.; Global Determinants, Inc.
TITLE OF INVENTION: Mycobacterium tuberculosis complete genome.
FILE REFERENCE: Jim Zegeer Law Offices - 703-684-8333
CURRENT PPLICATION NUMBER: US 003-03-03
NUMBER OF SEQ ID NOS: 11910
SOFTWARE: Proprietary
SEQ ID NO 7701
LENGTH: 43
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 43;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 25;
Length 31;
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GENERAL INFORMATION:
APPLICANT: Xue Mei Zhou
TITLE OF INVENTION: Methods of Genetic Analysis of Mouse;
FILE REFERENCE: 3528
CURRENT APPLICATION NUMBER: US/60/427,808
CURRENT FILING DATE: 2002-11-20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: DNA ORGANISM: Mycobacterium tuberculosis complete genome.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 14.8; DB 10;
Pred. No. 1.4e+03;
     Score 14.8; DB 6;
Pred. No. 1.4e+03;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 14.2; DB 9;
Pred. No. 2.8e+03;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Mismatches
                                                          Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 207601, Application US/10355577
GENERAL INFORMATION:
APPLICANT: Mittmann, Michael
                                                                                                                                                                                                                                                                             Sequence 7701, Application US/10299054A GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COCATION: (3056464)...(3056506) CHER INFORMATION: Chromosome = 1 US-10-299-054A-7701
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 CCAACTCTTCGCGGTGGCA 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             21 CCAACTCTTCAAGGGGCA 3
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                                                                                                          3 AACTCTTCGCGGTGGCAG 20
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84.2%;
          74.0%;
88.9%;
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Best Local Similarity 88.9%;
Matches 16; Conservative
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Best Local Similarity 84.2
Matches 16; Conservative
                                                          16; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 type: DNA CORGANISM: Homo sapien US-10-355-577-207601
                              Best Local Similarity
Matches 16; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RESULT 5
US-10-355-577-207601/c
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US-60-427-808-776553
                                                                                                                                                                                                                                                         US-10-299-054A-7701
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SEQ ID NO 207601
LENGTH: 25
            Query Match
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PCT-US03-04088-530
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US-09-890-648-6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ö
                                                                                                                                                                                                                                                         APPLICANT: McSwiggen, James
APPLICANT: Beigelman, Leonid
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase Gene
TITLE OF INVENTION: Expression Using Short Interfering RNA (sINA)
FILE REFERENCE: 02-708-A (400/080)
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TITLE OF INVENTION: Preparation for The Prevention and/or Tree
TITLE OF INVENTION: of a Tissue Change of Mesenchymal Origin
FILE REPERENCE: B3960PCT
CURRENT APPLICATION NUMBER: US/09/890,648
CURRENT FILING DATE: 2002-12-23
NUMBER OF SEQ ID NOS: 47
SOFTWARE: Patentin Ver. 2.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 23;
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100.0%; Pred. No. 3.3e+02;
iive 0; Mismatches 0;
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PRIOR FILING DATE: 2002-02-03
PRIOR PELING DATE: 2002-03-03
PRIOR PELING DATE: 2002-03-11
PRIOR FILING DATE: 2002-03-11
PRIOR PELING DATE: 2002-06-06
PRIOR PELING DATE: 2002-06-06
PRIOR PELING DATE: 2002-08-29
PRIOR PELING DATE: 2002-08-29
PRIOR PELING DATE: 2002-09-05
PRIOR PELING DATE: 2002-09-05
PRIOR PELING DATE: 2002-09-05
PRIOR PELING DATE: 2002-09-06
PRIOR PELING DATE: 2002-09-09
PRIOR PELING DATE: 2002-09-09
PRIOR PELING DATE: 2003-01-15
                                                                                                                                                                                                                                                                                                                                                              FILE REFERENCE: 02-708-A (400/080)
CURRENT APPLICATION NUMBER: PCT/US03/04088
                                                                                                                                                                                                                                       APPLICANT: Ribozyme Pharmaceuticals, Inc.
                                                                                                                                                                                                                                                                                                                                                                                                       CURRENT FILING DATE: 2003-04-28
PRIOR APPLICATION NUMBER: US 60/396,600
PRIOR FILING DATE: 2002-07-17
                                                                                                                                                                                 Sequence 530, Application PC/TUS0304088 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 6, Application US/09890648
GENERAL INFORMATION:
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SOFTWARE: PatentIn version 3.2
SEQ ID NO 530
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ORGANISM: artificial sequence
                                                               CTCTTCGCGGTGGCAG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ORGANISM: Artificial
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Best Local Similarity
Matches 16; Conserv
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APPLICANT: Loser, Peter
APPLICANT: Schnieders, Frank
APPLICANT: Schnieders, Frank
APPLICANT: Sandig, Volker
APPLICANT: Strauss, Michael
TITLE OF INVENTION: Cloning Vectors for Producing Adenoviral Minimal Viruses
FILE REFERENCE: 101195-13
CURRENT APPLICATION NUMBER: US/09/462,405C
CURRENT PILING DATE: 2000-04-12
PRIOR APPLICATION NUMBER: PCT/DE98/01940
PRIOR APPLICATION NUMBER: PCT/DE98/01940
RIGHT APPLICATION NUMBER: PCT/DE98/01940
RIGHT APPLICATION NUMBER: MCT/DE98/01940
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GENERAL INFORMATION:
APPLICANT: LEE, Sang-Yup
APPLICANT: LEE, Sang-Yup
TITLE OF INVENTION: ESCHERICHIA COLI STRAIN SECRETING HUMAN
TITLE OF INVENTION: GRANULOCYTE COLONY STIMULATING FACTOR (G-CSF)
FILE REPERENCE: HYLEEGO.01APC
CURRENT FILING DATE: 2002-10-29
PRIOR APPLICATION NUMBER: PCT/KR01/00549
PRIOR PILING DATE: 2000-03-31
PRIOR PILING DATE: 2000-03-31
PRIOR PILING DATE: 2000-03-31
PRIOR PILING DATE: 2000-03-31
SOFTWARE: FREECO FOR WINDOWS VERSION 4.0
SEQ ID NOS: 27
LENGTH: 50
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Pred. No. 2.8e+03;
0; Mismatches 3; Indels
NUMBER OF SEQ ID NOS: 982914
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 776553
LENGTH: 25
                                                                                                                                                                                                                                                                Indels
                                                                                                                                                                                                            Score 14.2; DB 12;
Pred. No. 2.8e+03;
                                                                                                                                                                                                                                                              0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 4, Application US/09462405C GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                2 CAACTCTTCGCGGTGGCAG 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             10 CCAACTCTACTCGCTGGCA 28
                                                                                                                                                                                                                                                                                                                                                               CAACTTTCGCAGAGGCAG 24
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Best Local Similarity 84.2%;
Matches 16; Conservative
                                                                                                                                                                                                         Query Match
Best Local Similarity 84.2%;
Matches 16; Conservative
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COTHER INFORMATION: Primer US-10-009-792A-5
                                                                                                        ; TYPE: DNA
; ORGANISM: Mus musculus
US-60-427-808-776553
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: DNA
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-09-462-405C-4
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; OTHER INFORMATION: Description of Artificial Sequence: Target sequence/sinA sense; OTHER INFORMATION: region
PCT-US03-04088-258
                                                                                                                                                                                                                                                                                                                                                                                                                                                 GREACH. INCOMATION:

APPLICANT: Ribozyme Pharmaceuticals, Inc.

APPLICANT: Roswiggen, James

APPLICANT: Beigelman, Leconid

TITLE OF INVENTION: Expression Using Short Interfering RNA (siNA)

TITLE OF INVENTION: Expression Using Short Interfering RNA (siNA)

TITLE OF INVENTION: Expression Using Short Interfering RNA (siNA)

FILE REFERENCE: 02-708-4, 4(400/080)

FULLS REFERENCE: 202-70-17

FRICH PAPLICATION NUMBER: US 60/396,600

FRICH APPLICATION NUMBER: US 60/359,580

FRIOR FILING DATE: 2002-00-220

FRIOR PELING DATE: 2002-00-220

FRIOR PELING DATE: 2002-00-31

FRIOR PELING DATE: 2002-00-31

FRIOR PELING DATE: 2002-00-31

FRIOR FILING DATE: 2002-00-30

FRIOR FILING DATE: 2002-00-30

FRIOR PELING DATE: 2002-00-30

FRIOR PELING DATE: 2002-00-30

FRIOR PELING DATE: 2002-00-30

FRIOR FILING DATE: 2002-00-30

FRIOR PELING DATE: 2002-00-30

FRIOR FILING DATE: 2002-00-30

FRIOR PELING DATE: 2002-00-30

FRIOR APPLICATION NUMBER: US 60/409,378

FRIOR APPLICATION NUMBER: US 60/409,293

FRIOR APPLICATION NUMBER: US 60/400,129

FRIOR APPLICATION NUMBER: US 60/400,129

FRIOR APPLICATION NUMBER: US 60/400,129

FRIOR FILING DATE: 2002-09-09

FRIOR FILING DATE: 2002-09-09

FRIOR APPLICATION NUMBER: US 60/400,129

FRIOR FILING DATE: 2002-09-09

FRIOR FILING DATE: 2002-09-09
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GENERAL INFORMATION:
APPLICANT: RAIDOZYME Pharmaceuticals, Inc.
APPLICANT: RAIDOZYME Pharmaceuticals, Inc.
APPLICANT: McSwiggen, James
APPLICANT: Beigelman, Leonid
TITLE OF INVENTION: Expression Using Short Interfering RNA (sinA)
TITLE OF INVENTION: Expression Using Short Interfering RNA (sinA)
TITLE OF INVENTION: Expression Using Short Interfering RNA (sinA)
CURRENT APPLICATION NUMBER: PCT/US03/04088
CURRENT APPLICATION NUMBER: US 60/396,600
PRIOR APPLICATION NUMBER: US 60/356,500
PRIOR APPLICATION NUMBER: US 60/358,580
                                                                          Gaps
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       Length 50;
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                                                                                                                                                                                                                                                                                                                                                           PCT-US03-04088-258/c; Sequence 258, Application PC/TUS0304088; GENERAL INFORMATION:
                                                                                                                                                                                                                 23 ccAgcrccrcdgggrgck 5
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Query Match 71.0
Best Local Similarity 84.2
Matches 16; Conservative
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GENERAL INFORMATION:
APPLICANT: Mittmann, Michael
TITLE OF INFORMATION: Methods of Genetic Analysis of Probes: HG-U133
FILE REFERENCE: 3121
CURRENT APPLICATION NUMBER: US/10/355,577
CURRENT FILING DATE: 2003-01-31
NUMBER OF SEQ ID NOS: 997516
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
LENGTH: 25
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TITLE OF INVENTION: Methods of Genetic Analysis of Mouse
TILE REFERENCE: 35.88
CURRENT APPLICATION NUMBER: US/60/427,808
CURRENT FILING DATE: 2002-11-20
NUMBER OF SEQ ID NOS: 929144
SOPTWARE: Microarray Probe Sequence Listing Generator V 1.1
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                                                                                                                                                                   8; DB 6;
4.4e+03;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 13.8; DB 9;
Pred. No. 4.4e+03;
0; Mismatches 2;
                                     TYPE: DNA
CRANISM: Homo sapiens
PUBLICATION INFORMATION:
CATABASE ACCESSION NUMBER: TIGR HG2663-HT2759
US-09-660-222-20311
                                                                                                                                                                   Score 13.8; DB; Pred. No. 4.4e+
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; GENERAL INFORMATION:
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10s-60-427-808-239182/c
is Sequence 239182, Application US/60427808
igeneral INFORMATION:
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88.2%;
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88.2%;
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Best Local Similarity 88.23
Matches 15; Conservative
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Best Local Similarity 88.2
Matches 15; Conservative
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US-10-355-577-283954
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US-10-355-577-283954
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LENGTH: 25
SEQ ID NO 20311
LENGTH: 25
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TITLE OF INVENTION: Methods of Genetic Analysis of Rat
FILLE REPERENCE: 35.7
CURRENT APPLICATION NUMBER: US/60/427,836
CURRENT FILING DATE: 2002-11-20
NUMBER OF SEQ ID NOS: 699466
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 401411
LENGTH: 25
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TITLE OF INVENTION: Methods of Genetic Analysis of Human
FILE REFERENCE: 3102.1
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Pred. No. 3.4e+03;
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CURRENT FILING DATE: 2000-09-12
PRIOR APPLICATION NUMBER: 60/164,973
PRIOR FILING DATE: 1999-11-11
NUMBER OF SEQ ID NOS: 140981
SQỆTWARE: FASTSEQ for Windows Version 4.0
                 PRIOR FILING DATE: 2002-0220
PRIOR APPLICATION NUMBER: US 60/363,124
PRIOR PLILATION NUMBER: US 60/363,124
PRIOR FILING DATE: 2002-06-06
PRIOR FILING DATE: 2002-06-06
PRIOR FILING DATE: 2002-08-29
PRIOR FILING DATE: 2002-09-05
PRIOR FILING DATE: 2002-09-05
PRIOR FILING DATE: 2002-09-09
PRIOR FILING DATE: 2002-09-09
PRIOR APPLICATION NUMBER: US 60/409,293
PRIOR APPLICATION NUMBER: US 60/40,129
PRIOR PRILING DATE: 2003-01-15
NUMBER OF SEQ ID NOS: 666
NUMBER OF SEQ ID NOS: 6666
NUMBER OF SEQ ID NOS: 66666
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GENERAL INFORMATION:
APPLICANT: Mittmann et al.
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SEQ ID NO 593
LENGTH: 21
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Local Similarity 78.6%;
hes 11; Conservative
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ORGANISM: Artificial
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US-09-660-222-20311/c
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TITLE OF INVENTION: Methods of Genetic Analysis of Mouse;
FILE REPERENCE: 3528
CURRENT APPLICATION NUMBER: US/60/427,808
CURRENT FILING DATE: 2002-11-20
NUMBER: OF SEQ ID NOS: 982914
NUMBER: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 294455
LENGTH: 25
LENGTH: 25
LENGTH: 25
CURRENT SEQ ID NOS: 982914
NORANISM: Mus musculus
ORGANISM: Mus musculus
SEQ ID NO 294455
LENGTH: 25
LENGTH: 25
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DEFINITION
ACCESSION
VERSION
KEYWORDS
SOURCE
ORGANISM
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                                        June 23, 2003, 01:05:28; Search time 232.59 Seconds (without alignments) 2502.502 Million cell updates/sec
GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.
                                                                                                                         2054640 segs, 14551402878 residues
                                                                                                                                                      Total number of hits satisfying chosen parameters:
                           OM nucleic - nucleic search, using sw model
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Gapop_60.0 , Gapext 60.0
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Perfect score:
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Pred. No. is the number of results predicted by chance to have a

AR063829 Sequence AR063829 Sequence AB069018 Synthetic S72525 TCR V gamma X69253 H.sapiens m PAT 29-SEP-1999 A32455 Synthetic p A32726 Synthetic d 119611 Sequence 12 184271 Sequence 42 A09922 Probe. 1/19 A14859 Nucleotide AR02212 Sequence E16511 Probe for g E1651 Probe for g E1651 Sequence AX110619 Sequence AX110619 Sequence AX110619 Sequence AX110619 Sequence AX110619 Sequence AX110619 Sequence AX158160 Sequence AX158162 Sequence AX024597 Sequence A14857 Nucleotide AR056247 Sequence AR114005 Sequence score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution. 1 (bases 1 to 20)

Kim.N.Woo., Wu.F., Kealey,J.T., Pruzan,R. and Weinrich,S.L.

Methods for detecting the RNA component of relomerase

Patent: US 5846723-A 6 08-DEC-1998;

Location/Qualifiers Description linear DNA ALIGNMENTS AR063830 20 bp Sequence 6 from patent US 5846723. AR063830. GI:5993138 SUMMARIES AB069038 S72525 HSTCRGV33 AX158160 A09925 AR171201 AX068559 AX445836 HSAZ70340 HSTCRGV24 HSTCRGV24 S72587 \$72591 AR146975 AR196827 AX016752 AX016769 AX146976 AR166828 AX016770 HSTCRGV35 AR1653562 AX158162 AX024597 A14857 AR056247 AR114005 A14859 AR002212 E05218 AX110621 AX110619 AR063830 AR063829 E16501 AR129457 I19611 I84271 A09892 A09923 A32455 8 * Query Match Length D Unclassified. REFERENCE AUTHORS TITLE JOURNAL FEATURES

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/db_xref="taxon:32630"
                                                                                                                                                                                                                                                                                                                                             S72525.1 GI:240432
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Best Local Similarity
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Synthetic construct DNA, forward primer for human STS sts-A008J44
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                                                                                                                                                                                                                                          linear PAT 29-SEP-1999
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Watanabe,N., Inazawa,J., Hosoda,F., Arai,Y., Mizushima,H.,
Morohashi,A., Ohira,M., Nakagawara,A., Liu,S., Hoshi,M., Horii,A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Direct Submission
Submitted (04-AUG-2001) Akira Horii, Tohoku University School of Submitted (04-AUG-2001) Akira Horii, Tohoku University School of Medicine, Molecular Pathology; 2-1 Seiryomachi, Aoba-ku, Sendai, Miyagi 980-8875, Japan (E-mail:horii@mail.cc.tohoku.ac.jp, Tel:81-22-717-8042, Fax:81-22-717-8047)
                                                                                                            Gaps
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A BAC-based STS-content map spanning a 35-Mb region of human
                                                                                                                                                                                                                                                                                                                                                           1 (bases 1 to 30)
Kim,N.Woo., Wu,F., Kealey,J.T., Pruzan,R. and Weinrich,S.L.
Methods for detecting the RNA component of telomerase
Patent: US 5846723-A 5 08-DEC-1998;
Location/Qualifiers
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Pred. No. 0.1;
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                                                                           Score 20; DB 6;
Pred. No. 0.11;
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100.0%; Score 20; DB
Best Local Similarity 100.0%; Pred. No. 0.1
Matches 20; Conservative 0; Mismatches
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Sequence 5 from patent US 5846723.
AR063829
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Genomics 74 (1), 55-70 (2001)
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                    /organism="unknown"
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Crystal, R.G.
Limited diversity of gamma delta T-cell antigen receptor junctional region sequences in individuals with sarcoidosis compared to broad diversity in normal subjects
Trans. Assoc. Am. Physicians 103, 102-111 (1990)
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1. 720
Jnote="forward primer for human STS sts-A008J44 at 1p36
sts-A008J44 obtained from clones B316C6, B132G19, B375M9,
Human BAC library RPCI-11"
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Holroyd, K.J., Tamura, N., Banks, T., Kirby, M., Okayama, H. and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        GenBank staff at the National Library of Medicine created this entry (NCBI glibbag 72225) from the original journal article. This sequence comes from Figure 4.

Location/Qualifiers
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/codon_start=2

/product="T cell receptor gamma chain"

/protein_id="AAB20598.2"

/db_xref="G1:7717239"

/translation="PLWBREBLG"

4 c 13 g 6 t
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/note="T cell receptor gamma chain"
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/organism="Homo sapiens"
/db_xref="taxon:9606"
<1. .>28
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artificial sequences.
1 (bases 1 to 50)

Turecek, P., Scheiflinger, F., Schwarz, H.P., Lenting, P.J., van
Mourik, J.A., Pannekoek, H. and Mertens, K.
A factor viii-polypeptide with factor viii:c-activity
Batter aktiengesellschaft (AT); TURECEK PETER (AT); SCHEIFLINGER
FRIEDRICH (AT); SCHWARZ HANS PETER (AT); LENTING PETRUS JOHANNES
KOENRAAD (NL); MOURIK JAN AART VAN (NL); PANNEKOEK HANS (NL); MERTENS
                                                                                                                                                                                                                                                                                                                                                                    Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia; Eutheria; Primates, Catarrhini, Hominidae, Homo.

1 (bases 1 to 40.)

Shimkets, R. A. and Leach, M.

Nucleic acids containing single nucleotide polymorphisms and methods of use thereof

methods of use thereof

Patent: WO 0140521-A 1490 07-JUN-2001,

Curagen Corporation (US)
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                                                               Length 43
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100.0%; Pred. No. 9.4e+03;
iive 0; Mismatches 0;
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100.0%; Pred. No. 9.5e+03;
ive 0; Mismatches 0;

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    /organism="synthetic construct"
/db_xref="taxon:32630"

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AXISB162
AXISB162 GI:14539493
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AX024597
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/db_xref="taxon:9606"
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                                                                                                                                                                                               Direct Submission
Submitted (10-JUN-1992) J. Hvas, La Trobe University,
Neurochimmunology Lab., Dept. of Psych., La Trobe University,
Neurochimmunology Lab., Dept. of Psych., La Trobe University,
2 (bases 1 to 30)
Hvas,J., Oksenberg,J.R., Fernando,R., Steinman,L. and Bernard,C.C.
Gamma delta T cell receptor repertoire in brain lesions of patients
J. Neuroimmunol. 46 (1-2), 225-234 (1993)
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Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Buteleostomi,
Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
                                                                                                                              Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Butheria, Primates, Catarrhini, Hominidae, Homo.
1 (bases 1 to 30)
                                            X69253.1 GI:510639
J-region; N-region; T-cell receptor; T-cell receptor gamma chain;
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Shimkets, R. A. and Leach, M.
Nucleic acids containing single nucleotide polymorphisms and
H.sapiens mRNA for rearranged TCR-gamma chain V region (VJ)
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Accession number cg29694531"
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Patent: WO 0140521-A 1488 07-JUN-2001;
Curagen Corporation (US)
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/note="V-gamma-2 segment"
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/db_xref="taxon:9606"
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/organism="Homo sapiens"
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/clone="MSSELBRA5G"
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Location/Qualifiers
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/note="N region"
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synthetic construct.
synthetic construct
artificial sequences.
1 (bases 1 to 18)
Cros, P., Allibert, P.A., Mandrand, B.F. and Dalbon, P.T.
Method for immobilizing a nucleic acid fragment by passive
adsorption on a solid support, solid support obtained therefrom and
its utilisation
Patent: EP 0524864-A 10 27-JAN-1993;
BIO MERIEUX, Societe anonyme
Location/Qualifiers
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                                                            PAT 16-MAY-2001
                                                                                                                                                                                                                                     Ribozyme treatment of diseases or conditions related to levels of intercellular adhesion molecule-1 (ICAM-1)
Patent: US 6132967-A 451 17-OCT-2000;
Location/Qualifiers
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Grimm, S., Stinchcomb, D.T., McSwiggen, J., Sullivan, S. and
Draper, K.G.
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Synthetic detection probe for HPV16 E7 gene.
A32726 A32726.1 GI:1567574
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tive 0; Mismatches 0;
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  /organism="synthetic construct"
  /db_xref="taxon:32630"
                                                     15 bp DN Sequence 451 from patent US 6132967. AR114005 AR114005.1 GI:14094327
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Unclassified.

1 (bases 1 to 15)
Grimm,S., Stinchcomb,D.T., McSwiggen,J., Sullivan,S. and Draper,K.G.
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Patent: US 5837542-A 451 17-NOV-1998;
Location/Qualifiers
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Nucleotide sequence 1 from patent number EP0334694.
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Sequence 451 from patent US 5837542.
AR056247
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Patent: EP 0334694-A 1 27-SEP-1989;
IRE-CELLTARG S.A.; LA REGION WALLONNE
Location/Qualifiers
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/organism="unidentified"
/db_xref="taxon:32644"
1 4 c 4 g 4
/note="Oligonucleotid"
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Cros.P., Allibert.P.A., Mandrand, B.P. and Dalbon, P.T.
Process for immobilizing a nucleic acid fragment by passive
attachment to a solid substrate, the solid substrate thus obtained,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 (bases 1 to 18)
Cros, P., Allibert, P., Mallet, F., Mabilat, C. and Mandrand, B. Sandwich hybridization assays using very short capture probes noncevalently bound to a hydrophobic support Patent: US 5695926-A 42 09-DEC-1997; Location/Qualifiers
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/db_xref="taxon:32630"
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Location/Qualifiers
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Sequence 12 from patent US 5510084.
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Sequence 42 from patent US 5695926.
I84271.
I84271.1 GI:3021791
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Pending Patents NA New:*

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0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	

ALIGNMENTS

RESULT 1

nhibition of Telomerase Gene cerfering RNA (siNA)		Sequence: Target sequence/siNA sense 1; Length 23; 6, Indels 0, Gaps 0,
PCT-US03-04088-522/C ; Sequence 522, Application PC/TUS0304088 ; GENEAL INFORMATION: ; APPLICANT: Ribozyme Pharmaceuticals, Inc. ; APPLICANT: McSwiggen, James ; APPLICANT: Bejedlman, Leonid ; TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase ; TITLE OF INVENTION: Expression Using Short Interfering RNA (siNA) ; FILE REFERENCE: 02-708-A (400/080) ; CURRENT APPLICATION NUMBER: PCT/US03/04088	CORRENT FILING DATE: 2003-04-28 PRIOR APPLICATION NUMBER: US 60/396,600 PRIOR PILING DATE: 2002-07-11 PRIOR APPLICATION NUMBER: US 60/386,580 PRIOR PILING DATE: 2002-02-20 PRIOR PILING DATE: 2002-02-30 PRIOR PILING DATE: 2002-03-11 PRIOR PILING DATE: 2002-06-06 PRIOR PILING DATE: 2002-06-09 PRIOR PILING DATE: 2002-09-09 PRIOR PILING DATE: 2003-01-15 NUMBER OF SEQ ID NOS: 626 SOFTWARE: PATENTIN VEXBION 3.2 SEQ ID NO 522	TYPE: RNA ORGANISM: Artificial PEATURE: OTHER INFORMATION: Description of Artificial Sequence: OTHER INFORMATION: region PCT-USO3-04088-522 Query Match Best Local Similarity 100.0%; Pred No. 0.071; Matches 20; Conservative 0; Mismatches 0, Ind

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PCT-US03-04088-548/C

Sequence 584, Application PC/TUS0304088

GENERAL INFORMATION:
APPLICANT: Bloavene Pharmaceuticals, Inc.
APPLICANT: Bloavene Pharmaceuticals, Inc.
APPLICANT: Belgalman, Leonid
APPLICANT: Belgalman, Leonid
TITLE OF INVENTION: Expression Using Short Interfering RNA (siNA)
TITLE OF INVENTION: Expression Using Short Interfering RNA (siNA)
FILE REPERENCE: 02-708-A (400/080)
CURRENT APPLICATION NUMBER: PCT/US03/04088
CURRENT APPLICATION NUMBER: US 60/396,600
PRIOR FILING DATE: 2002-07-17
PRIOR FILING DATE: 2002-03-11
PRIOR FILING DATE: 2002-03-11
PRIOR FILING DATE: 2002-03-11
PRIOR FILING DATE: 2002-03-11
PRIOR FILING DATE: 2002-09-05
PRIOR APPLICATION NUMBER: US 60/406,784
PRIOR FILING DATE: 2002-09-05
PRIOR FILING DATE: 2002-09-09
PRIOR FILING DATE: 2003-01-15
PRIOR FILING DATE: 2003-01-15
PRIOR PRIO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FEATURE: OTHER INFORMATION: Description of Artificial Sequence: sina antisense region
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Best Local Similarity 78.9%; Pred. No. 0.27;
Matches 15; Conservative 4; Mismatches (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NAME/KEY: misc_feature; LOCATION: (20)...(21)
OTHER INFORMATION: n stands for thymidine; PCT-US03-04088-544
                                           PRIOR FILING DATE: 2002-06-06
PRIOR PRILING DATE: 2002-06-06
PRIOR FILING DATE: 2002-08-29
PRIOR FILING DATE: 2002-08-29
PRIOR FILING DATE: 2002-09-05
PRIOR PILING DATE: 2002-09-09
PRIOR PILING DATE: 2002-09-09
PRIOR FILING DATE: 2002-09-09
PRIOR FILING DATE: 2003-01-15
NUMBER OF SEQ ID NOS: 626
SOFTWARE: PATCHT VERSION 3.2
SEQ ID NO 544
LENGTH: 21
                       US 60/386,782
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ORGANISM: Artificial
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APPLICANT: Beigelman, Leonid
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase Gene
TITLE OF INVENTION: Expression Using Short Interfering RNA (siNA)
FILE REPRENCE: 02-708-A (400/080)
CURRENT APPLICATION NUMBER: PCT/US03/04088
CURRENT FILING DATE: 2003-04-28
                                                                                                                                                                                                                                                                                                                                                                APPLICANT: McSwiggen, James
APPLICANT: Beigelman, Leonid
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase Gene
TITLE OF INVENTION: Expression Using Short Interfering RNA (siNA)
FILE REFERENCE: 02-708-A (400/080)
CURRENT APPLICATION NUMBER: PCT/US03/04088
CURRENT FILING DATE: 2003-04-28
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POTHER INFORMATION: n stands for thymidine; PCT-US03-04088-540
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PRIOR APPLICATION NUMBER: US 60/396,600
PRIOR PILLING DATE: 2002-07-17
PRIOR APPLICATION NUMBER: US 60/396,600
PRIOR FILING DATE: 2002-02-0
PRIOR FILING DATE: 2002-02-0
PRIOR PLILING DATE: 2002-03-11
PRIOR PLILING DATE: 2002-03-11
PRIOR PLILING DATE: 2002-06-06
PRIOR PLILING DATE: 2002-06-06
PRIOR PLILING DATE: 2002-06-06
PRIOR PLILING DATE: 2002-06-09
PRIOR PLILING DATE: 2002-09-05
PRIOR PLILING DATE: 2002-09-05
PRIOR PLILING DATE: 2002-09-05
PRIOR PLILING DATE: 2002-09-05
PRIOR PLILING DATE: 2002-09-09
PRIOR PLILING DATE: 2003-01-15
NUMBER OF SEQ 1D NOS: 626
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PRIOR APPLICATION NUMBER: US 60/396,600
PRIOR FILING DATE: 2002-07-17
PRIOR PLILING DATE: 2002-02-20
PRIOR FILING DATE: 2002-02-20
FRIOR PLILING DATE: 2003-03-03-30-20
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PCT-US03-04088-540/c
; Sequence 540, Application PC/TUS0304088
; GENERAL INFORMATION:
CTGACAGAGCCCAACTCTTC 20
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                                               22 CTGACAGAGCCCAACTCTTC
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ORGANISM: Artificial
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Sequence 552, Application PC/TUS0304088

GENERAL INPORMATION:

APPLICANT: Ribozyme Pharmaceuticals, Inc.

APPLICANT: Ribozyme Pharmaceuticals, Inc.

APPLICANT: Beigelman, Leonid

TITLE OF INVENTION: RAN INTERFERENCE 102-708-A (400/080)

FILE REPERENCE: 02-708-A (400/080)

CURRENT PILING DATE: 2003-04-28

PRIOR APPLICATION NUMBER: US 60/396,600

PRIOR APPLICATION NUMBER: US 60/396,600

PRIOR PLING DATE: 2002-07-17

PRIOR PLING DATE: 2002-07-17

PRIOR PLING DATE: 2002-06-6

PRIOR APPLICATION NUMBER: US 60/363,124

PRIOR PLING DATE: 2002-06-6

PRIOR APPLICATION NUMBER: US 60/406,784

PRIOR PLING DATE: 2002-06-6

PRIOR APPLICATION NUMBER: US 60/406,784

PRIOR PLING DATE: 2002-06-6

PRIOR APPLICATION NUMBER: US 60/406,784

PRIOR PLING DATE: 2002-09-05

PRIOR PLING DATE: 2003-01-15

NUMBER OF SEQ ID NOS: 626

SOFTWARE: PRIOR PLING DATE: 2003-01-15

LENGTH: 21

LENGTH: 21
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                                                                                                                                                                                                                                                                                                                                                                                                FEATURE:
NAME/KEY: misc feature
LOCATION: (20)...(21)
COTHER INFORMATION: n stands for thymidine
FEATURE:
NAME/KEY: misc feature
LOCATION: (21)...(21)
COTHER INFORMATION: 3'-3 attached terminal deoxyabasic moeity
PCT-US03-04088-548
OTHER INFORMATION: 5'-3 attached terminal deoxyabasic moeity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 21;
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Best Local Similarity 100.0%; Pred. No. 0.27;
Matches 19; Conservative 0; Mismatches (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                LOCATION: (1). (1)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
                                                                                                                                                                                                                        LOCATION: (12)..(15)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
                                                          NAME/KEY: misc_feature
LOCATION: (7)._(8)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
                                                                                                                                                                                                                                                                                                                                      LOCATION: (17)...(18)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
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LOCATION: (12)...(15)
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Target sequence/siNA sense
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LOCATION: (20)...(20)
OTHER INFORMATION: Phosphorothioate 3'-Internucleotide Linkage
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0; Indels
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Pred. No. 0.27;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NAME/KEY: misc_feature

// LOCATION: (20)...(21)

// OTHER INFORMATION: n stands for thymidine

PCT-US03-04088-552
                                LOCATION: (4). (4)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
                                                                                                                                        NAME/KEY: misc_feature
LOCATION: (9). (11)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
                                                                                                                                                                                                                                                            FBATURE:
NAME: MAME: misc_feature
LOCATION: (14): (19)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
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OTHER INFORMATION: 2'-deoxy
FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity 78.9°
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misc_feature
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NUMBER OF SEQ ID NOS: 626
SOFWARE: Patentin version 3.2
SEQ ID NO 560
LENGTH: 21
PRIOR FILING DATE: 2003-01-15
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NAME/KEY: misc_feature
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                                                                                                                                 TYPE: RNA
ORGANISM: Artificial
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Matches 15; Conserv
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PCT-US03-04088-23/c
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APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Bagelaman, James
APPLICANT: Bagelaman, Leonid
TITLE OF INVENTION: Expression Using Short Interfering RNA (siNA)
TITLE OF INVENTION: Expression Using Short Interfering RNA (siNA)
FILE REFERENCE: 02-708-A (400/080)
CURRENT APPLICATION NUMBER: PCT/US03/04088
CURRENT FILING DATE: 2003-04-28
PRIOR APPLICATION NUMBER: US 60/396,600
PRIOR APPLICATION NUMBER: US 60/396,500
PRIOR APPLICATION NUMBER: US 60/386,782
PRIOR PILING DATE: 2002-03-11
PRIOR PILING DATE: 2002-03-11
PRIOR PILING DATE: 2002-03-11
PRIOR PILING DATE: 2002-06-06
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                                      LOCATION: (1). (1)

OTHER INFORMATION: 5'-3 attached terminal deoxyabasic moeity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 LOCATION: (20)..(21)
OTHER INFORMATION: n stands for thymidine
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PRIOR FILING DATE: 2002-09-09
PRIOR APPLICATION NUMBER: US 60/440,129
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FILING DATE: 2002-09-05
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 MANE/KEY: misc feature
LOCATION: (17)...(18)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 560, Application PC/TUS0304088 GENERAL INFORMATION:
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THER INFORMATION: 2'-deoxy-2'-fluoro
                                                                                                                  NAME/KEY: misc_feature
LOCATION: (7)._(8)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
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                                                                                                                                                                                                                                                               ION: (9)...(11)
INFORMATION: 2'-deoxy
                                                                                                                                                                                                                                                                                                                                                                                                                                                           NAME/KEY: misc_feature
LOCATION: (16)...(16)
OTHER INFORMATION: 2'-deoxy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 LOCATION: (19)...(19)
OTHER INFORMATION: 2'-deoxy
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NAME/KEY: misc_feature
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Target sequence/siNA
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APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Beigelman, Leonid
TITLE OF INVENTION: RAY Interference Mediated Inhibition of Telomerase Gene
TITLE OF INVENTION: RAY Enession Using Short Interfering RNA ($iNA)
FILE REPERENCE: 02-708-A (400/080)
CURRENT APPLICATION NUMBER: PCT/US03/04088
PRIOR APPLICATION NUMBER: US 60/396,600
PRIOR FILING DATE: 2002-07-17
PRIOR PLICATION NUMBER: US 60/358,580
PRIOR FILING DATE: 2002-02-20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 21;
OTHER INFORMATION: Description of Artificial Sequence: OTHER INFORMATION: antisense region
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 19; DB 1;
Pred. No. 0.27;
4; Mismatches (
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OTHER INFORMATION: n stands for thymidine
                                                                                                                                                                                                                                                                                                                         LOCATION: (4). (4)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ION: (9). (11)
INFORMATION: 2'-deoxy-2'-fluoro
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LOCATION: (14)...(19)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
                                                                               NAME/KEY: misc_feature
LOCATION: (1)._(1)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
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78.9%;
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LOCATION: (5)...(8)
JTHER INFORMATION: 2'-deoxy
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LOCATION: (2)._(3)
OTHER INFORMATION: 2'-deoxy
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JTHER INFORMATION: 2'-deoxy
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| Sequence 47221, Application US/60427808
| Sequence 47221, Application US/60427808
| GABREAL INFORMATION:
| APPLICANT: Xue Mei Zhou
| TITLE OF INVENTION: Methods of Genetic Analysis of Mouse
| FILE REPERENCE: 3528
| CURRENT APPLICATION NUMBER: US/60/427,808
| CURRENT FILING DATE: 2002-11-20
| NUMBER OF SEQ ID NOS: 982914
| SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
| LENGTH: 25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: Xue Mei Zhou
TITLE OF INVENTION: Methods of Genetic Analysis of Mouse
FILE REPERSENCE: 35.28
CURRENT APPLICATION NUMBER: US/60/427,808
CURRENT FILING DATE: 2002-11-20
NUMBER OF SEQ ID NOS: 982914
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 699316
LENGTH: 25
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GENERAL INFORMATION:
APPLICANT: Xue Mei Zhou
APPLICANT: Xue Mei Zhou
TITLE OF INVENTION: Methods of Genetic Analysis of Rat
FILE REFERENCE: 3527
CURRENT APPLICATION UMBER: US/60/427,836
CURRENT FILING DATE: 2002-11-20
NUMBER OF SEQ ID NOS: 699466
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
LENGTH: 25
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Pred. No. 2.3e+02;
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                       0; Indels
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                       Mismatches
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100.0°; ±1.
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                                                                          1 CTGACAGAGCCCAACTCT 18
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Best Local Similarity 100.0
                    15; Conservative
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Matches 14; Conservative
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CRGANISM: Mus musculus
US-60-427-808-699316
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: DNA
ORGANISM: Mus musculus
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                    Matches
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PCT-US03-04088-23
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Sequence 287, Application PC/TUS0304088

GENERAL INFORMATION:
APPLICANT: Bloozwne Pharmaceuticals, Inc.
APPLICANT: Beigelman, Leonid
TITLE OF INVENTION: RAM Interference Mediated Inhibition of Telomerase Gene
TITLE OF INVENTION: Expression Using Short Interfering RNA (sinA)
TITLE OF INVENTION: Expression Using Short Interfering RNA (sinA)
TITLE OF INVENTION: Expression Using Short Interfering RNA (sinA)
TITLE OF INVENTION: Expression Using Short Interfering RNA (sinA)
TITLE OF INVENTION: Expression Using Short Interfering RNA (sinA)
TITLE OF INVENTION: Expression Using Short
FRIOR PELING DATE: 2002-04-28
FRIOR PELING DATE: 2002-07-17
FRIOR PELING DATE: 2002-05-05
FRIOR PELING DATE: 2002-06-05
FRIOR PELING DATE: 2002-06-06
FRIOR APPLICATION NUMBER: US 60/406,784
FRIOR PELING DATE: 2002-09-05
FRIOR PELING DATE: 2002-09-09
FRIOR APPLICATION NUMBER: US 60/409,293
FRIOR PELING DATE: 2002-09-09
FRIOR PELING DATE: 2003-09-09
FRIOR PELING DATE: 2003
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PRIOR APPLICATION NUMBER: US 60/363,124
PRIOR FILING DATE: 2002-03-11
PRIOR APPLICATION NUMBER: US 60/386,782
PRIOR FILING DATE: 2002-06-06
PRIOR FILING DATE: 2002-06-06
PRIOR FILING DATE: 2002-06-05
PRIOR FILING DATE: 2002-09-05
PRIOR PELING DATE: 2002-09-09
PRIOR APPLICATION NUMBER: US 60/409,293
PRIOR APPLICATION NUMBER: US 60/400,293
PRIOR FILING DATE: 2002-09-09
PRIOR FILING DATE: 2002-09-09
PRIOR FILING DATE: 2003-01-15
NUMBER OF SEQ ID NOS: 626
SOFTWARE: PATCHTIN VORTION 3.2
SEQ ID NO 23
LENGTH: 19
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Best Local Similarity 100.
Matches 18; Conservative
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ORGANISM: Artificial
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Best Local Similarity
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LENGTH: 20
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APPLICANT:
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GENERAL INFORMATION:

APPLICANT: Curaden Coporation, et al.

APPLICANT: Curaden Coporation, et al.

TITLE OF INVENTION: NOVEL PROTEINS AND NUCLEIC ACIDS ENCODING SAME
FILE REFERENCE: 21402-397C

CURRENT APPLICATION NUMBER: PCT/US02/21361

CURRENT FILING DATE: 2001-07-05

PRIOR PILING DATE: 2001-07-05

PRIOR PILING DATE: 2001-09-07

PRIOR PILING DATE: 2001-09-07

PRIOR FILING DATE: 2001-09-07

PRIOR FILING DATE: 2001-09-07

PRIOR FILING DATE: 2001-09-07

PRIOR FILING DATE: 2001-09-19

PRIOR FILING DATE: 2001-09-19

PRIOR APPLICATION NUMBER: 60/361133

PRIOR PILING DATE: 2001-09-19

PRIOR APPLICATION NUMBER: 60/361133

PRIOR APPLICATION NUMBER: 60/361133

PRIOR APPLICATION NUMBER: 60/361133

PRIOR APPLICATION NUMBER: 60/304016

PRIOR APPLICATION NUMBER: 60/304016
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PRIOR FILING DATE: 2001-07-11
PRIOR PLING DATE: 2001-07-11
PRIOR APPLICATION NUMBER: 60/305262
PRIOR FILING DATE: 2001-07-13
PRIOR PELICATION NUMBER: 60/305673
PRIOR PLICATION NUMBER: 60/305673
PRIOR PLICATION NUMBER: 60/305673
PRIOR PILING DATE: 2001-07-16
Remaining Prior Application data removed - See File Wrapper or PALM.
SUMBER OF SEQ ID NOS: 368
SOFTWARE: CUSTOM
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TITLE OF INVENTION: NOVEL PROTEINS AND NUCLEIC ACIDS ENCODING SAME FILE REFERENCE: 21402-397C
CURRENT APPLICATION NUMBER: US/10/188,186
CURRENT FILING DATE: 2002-07-02
PRIOR APPLICATION NUMBER: 60/303046
PRIOR FILING DATE: 2001-07-05
PRIOR PLICATION NUMBER: 60/360814
                                                                         Length 25;
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                                                                                                   .3e+02;
                                                                      70.0%; Score 14; DB 12;
100.0%; Pred. No. 2.3e+02
:ive 0; Mismatches 0
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Pred. No.
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GENERAL INFORMATION:
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Best Local Similarity 100.0%; Py
Matches 13; Conservative 0;
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ORGANISM: Artificial Sequence
; ORGANISM: Rattus norvegicus US-60-427-836-529892
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                                                                                                                             14; Conservative
                                                                         Query Match
Best Local Similarity
Matches 14; Conserv
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US-10-188-186-189
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FRIONE APPLICATION NUMBER: 60/323380
PRIOR PAPLICATION NUMBER: 60/323380
PRIOR PELING DATE: 2001-09-19
PRIOR APPLICATION NUMBER: 60/361133
PRIOR APPLICATION NUMBER: 60/304016
PRIOR FILING DATE: 2001-07-09
PRIOR PELING DATE: 2001-07-11
PRIOR PELING DATE: 2001-07-11
PRIOR PELING DATE: 2001-07-11
PRIOR PILING DATE: 2001-07-13
PRIOR PILING DATE: 2001-07-16
PRIOR PILING DATE: 2001-07-16
PRIOR APPLICATION NUMBER: 60/305673
PRIOR PILING DATE: 2001-07-16
PRIOR PILING DATE: 2001-07-16
SCOUTH OF SEQ ID NOS: 368
SOFTWARE: CLUSTOM
SOFTWARE: CLUSTOM
TENNOM-10 189
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 20;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 306, Application US/10160619
GENERAL INFORMATION:
APPLICANT: Agee, Michele
APPLICANT: Alsobrook, John
APPLICANT: Anderson, David
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                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: DNA
ORGANISM: Artificial Sequence
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Lepley, Denise
Li, Li
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Burgess, Catherine
Casman, Stacie
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DiPippo, Vincent
Edinger, Shlomit
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Malyankar, Uriel
Miller, Charles
Millet, Isabelle
2001-09-0
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Gangolli, Esha
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Rastelli, Luca
Rieger, Daniel
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Gerlach, Vare
Gerlach, Linda
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Hialt, Tord
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i, Weizhen
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Best Local Similarity
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PRIOR PILING DATE: 2001-06-04
PRIOR FILING DATE: 2001-06-04
PRIOR PILING DATE: 2001-06-04
PRIOR PILING DATE: 2001-06-06
PRIOR PILING DATE: 2001-06-06
PRIOR PILING DATE: 2001-06-06
PRIOR PILING DATE: 2001-06-06
PRIOR PPLICATION NUMBER: 60/296,575
PRIOR PPLICATION NUMBER: 60/296,575
PRIOR PPLICATION NUMBER: 60/297,414
PRIOR PPLICATION NUMBER: 60/297,573
PRIOR PILING DATE: 2001-06-12
PRIOR PILING DATE: 2001-06-12
PRIOR PILING DATE: 2001-06-12
PRIOR PLING DATE: 2001-06-12
PRIOR PLING DATE: 2001-06-14
PRIOR PLING DATE: 2001-06-14
PRIOR PLING DATE: 2001-06-14
PRIOR PLING DATE: 2001-06-15
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; OTHER INFORMATION: Description of Artificial Sequence: Reverse Primer
US-10-160-619-306
APPLICANT: Spederna, Steven
APPLICANT: Spederna, Steven
APPLICANT: Stone, David
APPLICANT: Stone, David
APPLICANT: Stone, Laihong
APPLICANT: Zhong, Haihong
APPLICANT: Zhong, Haihong
APPLICANT: Zhong, Mei
TITLE OF INVENTION: NOVEL PROTEINS AND NUCLEIC ACIDS ENCODING SAME
FILE REFERENCE: 21402-377C
CURRENT APPLICATION NUMBER: US/10/160,619
FRIOR FILING DATE: 2002-06-03
PRIOR FILING DATE: 2001-06-04
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: DNA ORGANISM: Artificial Sequence
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6 AGAGCCCAACTCT 18

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Search completed: June 23, 2003, 19:12:11 Job time : 877.928 secs

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Fr. Jun 27 07:42:51 2003
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                                                                         June 23, 2003, 05:20:00 ; Search time 1677.45 Seconds (without alignments) 299.770 Million cell updates/sec
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/cgnz_6/ptodata/2/pna/US099B COMB.seq:
/cgnz_6/ptodata/2/pna/US099D COMB.seq:
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/cgnz_6/ptodata/2/pna/US101B COMB.seq:
GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.
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                                                OM nucleic - nucleic search, using sw model
                                                                                                                                                                                                                                                                                                                                                Post-processing: Listing first 45 summaries
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1 CTGACAGAGCCCAACTCTTC 20
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Gapop_60.0 , Gapext 60.0
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

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Description	Sequence 6, Appli	Sequence 5, 7	Sequence	Sequence 15,	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence
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	9	-5.0	A-5	15	F-1	6-1	JS-09-660-220-66821	JS-09-660-220-66822	JS-09-660-220-66827	JS-09-660-220-66828	JS-09-660-220-66829	-31	-31	-30	-30	-28	-53	JS-09-724-750-18382	JS-60-171-431-18382	-38
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SUMMARIES	PCT-US97-23619-6	US-US97-23619-5	US-08-770-564A-5	JS-08-521-634-15	9-3	9-3	9-6	9-6	9-6	9-6	9-6	9-9	9-9	0-2	0-2	0-3	9-3	9-7	-0	JS-10-093-311-38
sa	. E. S	2 F	JS-0	3-08	13-0	JS-0	JS-0	15-0	13-0	JS-0	JS-0	JS-0	35-0	3S-6	3S-6	3S-6	35-6	JS-C	3S-6	JS-1
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NAME/KEY: -
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1.0CATION: 1..20
1.0THER INFORMATION: /note= "oligo 16ab"
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20 base pairs
                  TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TOPOLOGY: linear MOLECULE TYPE: DNA
                                                                                       MOLECULE TYPE: DNA FEATURE:
                                                                                                                                                                                                                                                 Query Match
Best Local Similarity
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STRANDEDNESS:
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PCT-US97-23619-5
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US-08-770-564A-6
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        LENGTH:
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                                                                    Sequence 49756, A
Sequence 49757, A
Sequence 49759, A
Sequence 49769, A
Sequence 64360, A
Sequence 64305, A
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27816, A
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Sequence 28011, A
                                                                                                                                                                                                                              Sequence 124325,
Sequence 34092, A
Sequence 49756, A
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                          Sequence 54, App
Sequence 34092,
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APPLICANT:
APPLICANT:
APPLICANT:
TITLE OF INVENTION: Mathods for Detecting and Inhibi
TITLE OF INVENTION: RNA Component of Telomerase
NUMBER OF SEQUENCES: 29
CORRESPONDENCES: 29
CORRESPONDENCE ADDRESS:
ADDRESSER: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZATE: PARABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PARENT Release #1.0, Version #1.30
CURSTELCATION:
APPLICATION NUMBER: PCT/US97/23619
FILING DATE: Not yet assigned
CLASSIFICATION DATA:
APPLICATION NUMBER: US 08/770,564
FILING DATE: 20-DEC-1996
FILING DATE: 20-DEC-1996
FILING DATE: 20-DEC-1996
FILING DATE: 20-DEC-1996
ATTORNEY/AGENT INFORMATION:
NAME: SCOTELLA JOHN R.
REGISTRATION NUMBER: 15389-27PC
TELECOMMUTCATION INFORMATION:
REGISTRATION NUMBER: 15389-27PC
TELECOMMUTCATION INFORMATION:
REGISTRATION NUMBER: 15389-27PC
TELECOMMUTCATION INFORMATION:
                       US-09-177-306-94
US-09-396-196F-34092
US-09-396-196F-49756
US-09-396-196F-49758
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US-09-396-196F-49759
US-09-396-196F-49769
US-09-396-196F-64304
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US-09-396-196G-49769
US-09-660-220-27819
           US-08-222-615-4
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GENERAL INFORMATION:
APPLICANT:
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PCT-US97-23619-6
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COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: Eloppy disk

COMPUTER: COMPATIBLE

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION WUMBER: US/08/770,564A

FLING DATE: 20-DEC-1996

CLASSIFICATION: 514
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADDRESSEE: TOWNSEND and TOWNSEND and CREW LLP
STREET: Two Embarcadero Center, 8th Floor
CITY: San Francisco
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               015389-002200US
Sequence 6, Application US/08770564A GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ATTORNEY AGENT INFORMATION:
NAME: Storella, John R.
REGISTRATION UNDRER: 32,944
REFERENCE/DOCKET NUMBER: 01538
TELECOMMUNICATION INFORMATION:
TELEPAN: 415-576-0200
TELEPAX: 415-576-0300
INFORMATION FOR SEQ ID NO: 6: SEQUENCE CHARACTERISTICS:
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Best Local Similarity 100.
Matches 20; Conservative
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nucleic acid
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Pred. No. 0.36;
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APPLICANT: Feng, Junia
APPLICANT: Feng, Junia
APPLICANT: Former, Walter
APPLICANT: Andrewe, William
TITLE OF INVENTION: Mammalian Telomerase
NUMBER OF SEQUENCES: 66
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew
STREET: One Market Plaza, Steuart Tower, Suite 2000
CITY: San Francisco
CITY: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       . 0.36;
---- 0; Indels
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CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/770,564A

FILING DATE: 20-DEC-1996

CLASSIPICATION: 514

ATTOCNEY/AGENT INFORMATION:

NAME: Storella, John R.

REGISTRATION NUMBER: 32,944

REGISTRATION NUMBER: 32,944

REGISTRATION NUMBER: 31,944

RELERAK: 415-76-0200

TELEFAK: 415-76-0300

INFORMATION FOR SEQ ID NO: 5:

SEQUENCE CHARACTERISTICS:

LENGTH: 30 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/521,634
FILING DATE: 31-AUG-1995
CLASSIFTCATION: 435
PRIOR APPLICATION DATA:
       TOWNSEND and TOWNSEND and CREW LLP
  ADDRESSEE: TOWNSEND and TOWNSEND and CREW
STREET: Two Embarcadero Center, 8th Floor
CITY: San Francisco
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0; Mismatches
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PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICATION NUMBER: US 08/482,115
FILING DATE: 7-JUN-1995
                                                                                                        ZIP: 94111
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
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GENERAL INFORMATION:
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Best Local Similarity 100.0%;
Matches 20; Conservative 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: nucleic acid
STRANDEDNESS: single
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APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TOPOLOGY: linear
                                                                                               USA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COUNTRY: US
ZIP: 94105
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                                                                                                                                                                                    Methods for Detecting and Inhibiting the RNA Component of Telomerase
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APPLICANT: Fruzan, Ron
APPLICANT: Pruzan, Ron
TITLE OF INVENTION: Inhibitory Polynucleotides Directed
TITLE OF INVENTION: Against the RNA Component of Telomerase
NUMBER OF SEQUENCES: 15
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
100.0%; Score 20; DB 1; Length 30;
Best Local Similarity 100.0%; Pred. No. 0.36;
Matches 20; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUW TYPE: Floppy disk
COMPUTER: IBM PC compatible
OOMPRATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US97/23619
FILING DATE: Not yet assigned
CLASSIPICATION:
                                                                                                                                                                             TITLE OF INVENTION: Methods for Detecting and INTILE OF INVENTION: RNA Component of Telomerase NUMBER OF SEQUENCES: 29
ADDRESSED: TOWNSENG and TOWNSENG and Crew LLP STREET: Two Embarcadero Center, Eighth Floor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NAME/KEY: -
10CATION: 1..30
OTHER INFORMATION: /note= "oligo 16"
PCT-US97-23619-5
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APPLICATION NUMBER: US 08/770,564
FILING DATE: 20-DEC-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/770,565
FILING DATE: 20-DEC-1996
ATTORNEY/AGENT INFORMATION:
Sequence 5, Application PC/TUS9723619 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 5, Application US/08770564A GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NAME: SCCF11A, JOHN R.
REGISTRATION NUMBER: 32,944
REFRENCE/DOCKET NUMBER: 1538;
TELECOMMUNICATION INPORMATION:
TELEPAK: (415) 576-0200
INPORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 CTGACAGAGCCCAACTCTTC 20
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                       CITY: San Francisco
STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 MOLECULE TYPE: DNA
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RESULT 9
US-09-660-220-66822/c
US-09-660-220-66822 Application US/09660220
| GENERAL INFORMATION:
| APPLICANT: Mittmann et al.
| APPLICANT: Affymetrix, Inc.
| TITLE OF INVENTION: Methods of Genetic Analysis of Human FILE REFERENCE: 3102.1
| TITLE OF INVENTION: Methods of Genetic Analysis of Human FILE REFERENCE: 3102.1
| TITLE OF INVENTION: Methods of Genetic Analysis of Human FILE REFERENCE: 1909-12
| CURRENT APPLICATION NUMBER: 60/164,973
| PRIOR FILING DATE: 1999-11-11
| NUMBER OF SEQ ID NOS: 140981
| SOFTWARE: FastSEQ for Mindows Version 4.0
| SEQ ID NO 66822
| LENGTH: 25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Mittmann et al.
APPLICANT: Mittmann et al.
TITLE OF INVENTION: Methods of Genetic Analysis of Human
FILE REPERSONE: 3102.1
CURRENT PILING DATE: 2000-09-12
CURRENT FILING DATE: 12000-09-12
FRIOR APPLICATION NUMBER: 1999-11-11
NUMBER OF SEQ ID NOS: 140981
SOFTWARR: FastSEQ for Windows Version 4.0
SEQ ID NO 66221
LENGTH: 25
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                                                                                                                                                                                                                                              DB 17; L6
3.7e+03;
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                                                                                                                                                                                                                                                                                             0; Mismatches
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; DATABASE ACCESSION NUMBER: GenBank M95740
US-09-660-220-66821
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; DATABASE ACCESSION NUMBER: GenBank M95740
US-09-660-220-66822
    PRIOR APPLICATION NUMBER: 60/100,678
PRIOR FILING DATE: 1998-09-17
NUMBER OF SEQ ID NOS: 127806
SEQ TYARARE: FastSEQ for Windows Version 4.0
SEQ ID NO 124326
LENGTH: 25
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Best Local Similarity 100.
Matches 13; Conservative
                                                                                                                                                                                                                                                                                                                                             2 TGACAGAGCCCAA 14
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Best Local Similarity 100.
Matches 13; Conservative
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                                                                                                                                                  TYPE: DNA
CRGANISM: mus musculus
US-09-396-196G-124326
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APPLICANT: Michael Mittmann
APPLICANT: David Mack
APPLICANT: David Lockhart
APPLICANT: Affymetrix, Inc.; TITLE OF INVATION: Methods of Genetic Analysis; FILE REFERENCE: 3101.1
CURRENT APPLICATION NUMBER: US/09/396,196F; CURRENT FILING DATE: 2001-09-15; PRIOR FILING DATE: 1998-09-17
NUMBER OF SEQ ID NOS: 127806
SEQ THANG APPLICATION NUMBER: 60/100,678
PRIOR FILING DATE: 1998-09-17
NUMBER OF SEQ ID NOS: 127806
SEQ ID NO 124326
LENGTH: 25
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APPLICANT: David Mack
APPLICANT: David Lockhar
APPLICANT: Affwetrix, Inc.
TITLE OF INVENTION: Methods of Genetic Analysis
FILE REFERENCE: 3101.1
CURRENT APPLICATION NUMBER: US/09/396,196G
APPLICATION NUMBER: US 08/330,123
FILING DATE: 27-OCT-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/272,102
FILING DATE: 7-JUL-1994
ATTORNEY/AGENT INFORMATION:
NAME: DUIN, TIESTY J.
REGISTRATION NUMBER: 34,587
REGISTRATION NUMBER: 15389-000850
TELEPHONE: 415-326-2400
TELEPHONE: 415-326-2400
TELEPHONE: 415-326-2400
TELEPHONE: MARKET DE NO. 15:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
90.0%; Score 18; DB
Best Local Similarity 100.0%; Pred. No. 5.1
Matches 18; Conservative 0; Mismatches
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GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                     TOPOLOGY: linear MOLECULE TYPE: DNA (oligonucleotide)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            24 GACAGACCCAACTCTTC 7
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Best Local Similarity 100.0%;
Matches 13; Conservative 0
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                                                                                                                                                                                                                                                                                                                    SEQUENCE CHARACTERISTICS:
LENGTH: 24 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
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US-09-396-196F-124326
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; ORGANISM: Mus musculus
US-09-956-584-314490
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ORGANISM: Mus musculus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        US-09-956-584-314500
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LENGTH: 25
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                                                                                                                                                                                                Sequence 66827, Application US/09660220
GENERAL INFORMATION:
APPLICANT: Mittmann et al.
APPLICANT: Affirmativ. Inc.
TITLE OF INVENTION: Methods of Genetic Analysis of Human
FILE REPERENCE: 3102.
CURRENT APPLICATION NUMBER: US/09/660,220
CURRENT FILING DATE: 2000-09-12
PRIOR APPLICATION NUMBER: 60/164,973
PRIOR PILING DATE: 1999-11-11
NUMBER OF SEQ ID NOS: 140981
SEQ ID NOS: 140981
SEQ ID NOS: 140981
SEQ ID NOS: 140981
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match 65.0%; Score 13; DB 26; Length 25; Best Local Similarity 100.0%; Pred. No. 3.7e+03; Matches 13; Conservative 0; Mismatches 0; Indels
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                     Indels
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APPLICANT: Mittmann et al.
APPLICANT: Affymetrix, Inc.
TITLE OF INVENTION: Methods of Genetic Analysis of Human FILE REFERENCE: 3102.1
CURRENT APPLICATION NUMBER: US/09/660,220
CURRENT FILING DATE: 2000-09-12
PRIOR PELICATION NUMBER: 60/164,973
PRIOR FILING DATE: 1999-11-11
NUMBER OF SEQ ID NOS: 140981
SOFTWARE: FastSEQ for Windows Version 4.0
  Pred. No. 3.7e+03;
Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
65.0%; Score 13; DB 26;
Best Local Similarity 100.0%; Pred. No. 3.7e+03;
Matches 13; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ; PUBLICATION INFORMATION:
; DATABASE ACCESSION NUMBER: Genbank M95740
US-09-660-220-66827
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PUBLICATION INFORMATION:
DATABASE ACCESSION NUMBER: GenBank M95740
US-09-660-220-66828
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 66828, Application US/09660220 GENERAL INFORMATION:
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Best Local Similarity 100.0%; P
Matches 13; Conservative 0;
                                                            5 CAGAGCCCAACTC 17
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ORGANISM: Homo Sapiens
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                                                                                                                                                                RESULT 10
US-09-660-220-66827/c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            RESULT 12
US-09-660-220-66829/c
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LENGTH: 25
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### APPLICANT: Withenann et al.

### APPLICANT: Affymentia, inc.

### APPLICANTON NUMBER: US/09/660,220

### APPLICANTON NUMBER: GO.69-12

### APPLICANTON NUMBER: GO.69-12

### APPLICANTON NUMBER: GO.69-13

### APPLICANTON NUMBER: GO.69-23

### APP
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US-09-956-584-314500

```
        Query Match
        65.0%; Score 13; DB 36; Length 25;

        Beet Local Similarity 100.0%; Pred. No. 3.70+03;
        Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

        QY
        1 CTGACAGAGCCA 13

        Db
        6 CTGACAGAGCCA 18

        NS-60-234-017-309805
        Sequence 309805, Application US/60234017

        Sequence 309805, Application US/60234017
        Sequence 309805, Application US/60234017

        Sequence 309805, Application US/60234017
        Sequence 309805, Application US/60234017

        Sequence 309805, Application US/60234017
        Sequence 309805, Application US/60/234,017

        STITLE OF INVENTION: Matchads US/60/234,017
        CURRENT FILING DATE: 2000-09-20

        CURRENT FILING DATE: 2000-09-20
        SOFTWARE: FastSEQ for Windows Version 4.0

        SOTWARE: FastSEQ for Windows Version 4.0
        SOFTWARE: PastSEQ for Windows Version 4.0

        SEQ ID NO 309805
        TTPE: DNA

        PUBLICATION INFORMATION: PUBLICATION: PUBLICATION: PUBLICATION: PUBLICATION: SOFTWARE: PUB
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Search completed: June 23, 2003, 16:08:19 Job time: 1678.53 secs

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Sequence 161, App Sequence 1126, Ap Sequence 420, App Sequence 3, Appli Sequence 23, Appli Sequence 33, Appli Sequence 387, Appl

Sequence 420, App

Sequence 2918, Ap Sequence 5, Appli Sequence 8, Appl

Sequence

Sequence 5700, Sequence 12238, Sequence 34264, Sequence 42033,

Sequence 42034, Sequence 44063, Sequence 49892, Sequence 56499 Sequence 56500

Sequence 72819, Sequence 78124, Sequence 79153,

Sequence 79154

ALIGNMENTS

```
USS-09-288-971-6/c

Sequence (A Application US/09288971

Publication No. US20030036055A1

GENERAL INFORMATION:

A PAPLICANT: SORGE, JOSEPH A.

TITLE OF INVENTION: METHODS AND KITS TO ENRICH FOR DESIRED NUCLEIC ACID

TITLE OF INVENTION: SEQUENCE:

TITLE OF INVENTION: USCOURACE:

TITLE OF INVENTION: USCOURACE:

CURRENT APPLICATION NUMBER: US/09/288,971

CURRENT PILING DATE: 1999-04-09

NUMBER OF SEQ ID NOS: 26

SOFTWARE: Patentin Ver. 2.0

SEQ ID NO 6

LENGTH: 31
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 10, Application US/09288971
Sequence 10, Mapplication US/09088971
GENERAL INFORMATION:
APPLICANT: Sorge, Joseph A.
TITLE OF INVENTION: METHODS AND KITS TO ENRICH FOR DESIRED NUCLEIC ACID
TITLE OF INVENTION: SQUENCES
FILE REFERENCE: 04121.0117
CURRENT APPLICATION NUMBER: US/09/288,971
CURRENT FILING DATE: 1999-04-09
NUMBER OF SEQ ID NOS: 26
SOFTWARE: PATCHIN VET. 2.0
SEQ ID NO 10
0 US-10-090-011-45

0 US-09-915-914-161

0 US-09-263-559-1126

0 US-09-263-559-1126

0 US-09-909-567-23

1 US-10-082-904-3

1 US-10-082-904-3

1 US-10-090-87-8

0 US-10-90-887-8

0 US-09-901-887-8

0 US-09-901-887-8

0 US-09-887-8

0 US-09-887-8

0 US-09-887-8

0 US-09-887-8

0 US-09-687-8

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0 US-09-687-8

0 US-09-68-38-4203

0 US-09-68-263-42033

0 US-10-098-263-44063

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0 US-10-098-263-44063

0 US-10-098-263-44063

0 US-10-098-263-4203

0 US-10-098-263-72019

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100.08; Pr.
         Query Match 60.0
Best Local Similarity 100.
Matches 12; Conservative
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; ORGANISM: Rattus rattus
US-09-288-971-6
     US-09-288-971-10
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Sequence 10, Appl
Sequence 3187, Ap
Sequence 65, Appl
Sequence 1291, Ap
Sequence 110, App
Sequence 110, App
Sequence 205, App
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Sequence 24, Appl
Sequence 24, Appl
Sequence 25, Appl
Sequence 25, Appl
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Sequence 1384, Ap
                                                                                                                               June 23, 2003, 06:41:29 ; Search time 160.717 Seconds (without alignments) 182.610 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Description
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Sequence
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| cgn2_6/prodata/1/pubpna/US07_PUBCOMB.seq:*
| cgn2_6/prodata/1/pubpna/PCT_NEW_PUB.seq:*
| cgn2_6/prodata/1/pubpna/US06_NEW_PUB.seq:*
| cgn2_6/prodata/1/pubpna/US06_NEW_PUB.seq:*
| cgn2_6/prodata/1/pubpna/US06_NEW_PUB.seq:*
| cgn2_6/prodata/1/pubpna/US06_NEW_PUB.seq:*
| cgn2_6/prodata/1/pubpna/US08_NEW_PUB.seq:*
| cgn2_6/prodata/1/pubpna/US10_PUBCOMB.seq:*
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                        GenCore version 5.1.6
(c) 1993 - 2003 Compugen Ltd
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US-09-992-665-205
US-10-098-263B-110352
US-09-118-276-16
US-09-824-017-24
US-09-986-118A-24
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US-09-986-118A-25
US-09-818-875-1383
US-09-818-875-1384
US-09-818-875-1384
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US-10-291-022-2
                                                                                                                                                                                                                                                                                                                                                                                                      Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                                   1042519 seqs, 733713590 residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SUMMARIES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Post-processing: Listing first 45 summaries
                                                                                             - nucleic search, using sw model
                                                                                                                                                                                                                                            1 CTGACAGAGCCCAACTCTTC 20
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Gapop 60.0 , Gapext 60.0
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Match Length DB
                                         Copyright
                                                                                                                                                                                                                                                                                                                                                                                                                                              Minimum DB seq length: 0 Maximum DB seq length: 50
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                                                                                                                                                                                                       Title:
Perfect score:
                                                                                                                                                                                                                                                                              Scoring table:
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                                                                                             OM nucleic
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                                                                                                                                                                                                                                              Sequence:
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                                                                                                                                 Run on:
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Gaps

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Length 31; Indels

Score 12; DB 9; Mismatches

4.46+02;

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Sequence 110, Application US/09898779

Sequence 110, Application US/09898779

Patent No. US20020106657A1

Sequence 110, Application US/09898779

SERBEAL INPORMATION:

APPLICANT: Maren T. Scheuner (Inventor)

APPLICANT: Maren T. Scheuner (Inventor)

APPLICANT: Hujving Yang (Inventor)

TITLE OF INVENTION: Genetic Test to Determine

TITLE OF INVENTION: No. US20020106657A1-responsiveness to Statin Drug Treatment

FILE REFERENCE: 18810-82302

CURRENT APPLICATION NUMBER: US/09/898,779

CURRENT FILING DATE: 2001-07-03

PRIOR FILING DATE: 1999-07-02

NUMBER OF SEQ ID NOS: 110

SEQ ID NO 110

LENGTH: 24
              Gaps
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            Indels
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                                                                                                                                                                                                                                                           APPLICANT: Chee, Mark
TITLE OF INVENTION: Probes and Decoder Oligonucleotides
FILE REFERENCE: 4-69605-1
CURRENT APPLICATION NUMBER: US/09/940,185
CURRENT FILING DATE: 2001-08-27
PRIOR APPLICATION NUMBER: US 60/227,948
PRIOR FILING DATE: 2000-08-25
PRIOR FILING DATE: 2000-08-25
PRIOR FILING DATE: 2000-08-29
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ; OTHER INFORMATION: Computer Generated Probe Sequence.
US-09-940-185-2291
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
55.0%; Score 11; DB 9; Le
Best Local Similarity 100.0%; Pred. No. 1.8e+03;
Matches 11; Conservative 0; Mismatches 0;
            Mismatches
                                                                                                                                                                                  Sequence 2291, Application US/09940185 Publication No. US20030096239A1 GENERAL INFORMATION: APPLICANT: Gunderson, Kevin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         55.0%; Sc. 100.0%; Pre
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: DNA
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                 NUMBER OF SEQ ID NOS: 4768
SOFTWARE: Patentin version 3.1
SEQ ID NO 2291
LENGTH: 24
          Conservative
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                                                1 CTGACAGAGCC 11
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US-09-898-779-110
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Best Local Similarity
Matches 11; Conserv
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                                                                                                                                                                US-09-940-185-2291
          11;
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        Matches
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Publication No. US20030073116A1

GENERAL INFORMATION:

APPLICANT: Ginsburg, David

APPLICANT: Ginsburg, David

APPLICANT: Teai, Han-Mou

TITLE OF INVENTION ADAMTS13 Genes and Proteins and Variants, and Uses Thereof

FILE REPERENCE: UN-07288

CURRENT FILING DATE: 2002-08-16

PRIOR PELING DATE: 2001-08-16

NUMBER OF SEQ ID NOS: 78

SOFTWARE: PatentIn version 3.1

SEQ ID NO 65

LENGTH: 21
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                                                                                                    Length 31;
                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: Effertz, Roger J.
APPLICANT: Hauge, Brian M.
TITLE OF INVENTION: Soybean SSRs and Methods of Genotyping FILE REFERENCE: 104-10(52679) A
CURRENT APPLICATION NUMBER: US/09/969,373
CURRENT FILING DATE: 2001-10-02
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 21;
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4.4e+02;
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1.8e+03;
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                                                                                                                                        Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PRIOR APPLICATION NUMBER: US 09/754,853
PRIOR FILING DATE: 2001-01-05
PRIOR APPLICATION NUMBER: US 09/760,427
PRIOR APPLICATION NUMBER: US 09/855,768
PRIOR FILING DATE: 2001-01-13
PRIOR FILING DATE: 2001-05-15
NUMBER OF SEQ ID NOS: 4593
LENGTH: 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 55.0%; Score 11; 100.0%; Pred. No.
                                                                                                                                                                                                                                                                                                             Sequence 3187, Application US/09969373
Patent No. US20020133852A1
GENERAL INFORMATION:
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                                                                                              Query Match
Best Local Similarity 100.0%;
Matches 12; Conservative 0
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ; OTHER INFORMATION: Synthetic US-10-222-334-65
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity 100.
Matches 11; Conservative
                                                                                                                                                                            1 CTGACAGAGCCC 12
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       9 GCCCAACTCTT 19
; LENGTH: 31
; TYPE: DNA
; ORGANISM: Rattus rattus
US-09-288-971-10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: DNA
ORGANISM: Glycine max
US-09-969-373-3187
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Bost Local Similarity
                                                                                                                                                                                                                                                                                         US-09-969-373-3187
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Sequence 24, Application US/09824017
Publication No. US20020197668A1
GENERAL INFORMATION:
APPLICANT: BURGER, Alexander
HALLER, Michael
TITLE OF INVENTION: PAPILLOMA VIRUS CAPSOMERE VACCINE
FORMULATIONS AND METHODS OF USE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 26;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/824,017
FILING DATE: 03-Apr-2001
CLASSIFICATION: 424
                                     B: SIXBEY, FRIEDMAN, LEEDOM, & FERGUSON 8180 GREENSBORO DRIVE, SUITE 800
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1.8e+03;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 11; DB 10;
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100.0%; Pred. No. ...
0; Mismatches
                                                                                                                                                                                                                                               SOFTWARE: ASCII
CURRENT APPLICATION DATA:
PAPLICATION NUMBER: US/09/118,276
FILING DATE: 17-JUL-1998
PRIOR APPLICATION DATA: NONE
ATTORNEY/AGENT INFORMATION:
NAME: SCHULMAN, ROBERT M.; SALEN, KENN
REGISTRATION NUMBER: 31,196; 43,077
REFERENCE/DOCKET NUMBER: 6201-0003
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 790-9110
TELEPAX: (703) 883-0370
INFORMATION FOR SEG ID NO: 16:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICATION NUMBER: 09/026,896
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      REGISTRATION NUMBER: 31,298
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CORRESPONDENCE ADDRESS:
ADDRESSEE: FOLSY & LARDNER
STREET: 3000 K Street, N.W
CITY: Washington
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FILING DATE: 1998-02-20
ATTORNEY/AGENT INFORMATION:
NAME: Sandercock, Colin G.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          STATE: D.C.
COUNTRY: U.S.A.
ZIP: 20007-5109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                      COMPUTER READBLE FORM:
MEDIUM TYPE: 3-1/2" DISKETTE
COMPUTER: IBM-COMPATIBLE
                                                                                                                                                                                                                               OPERATING SYSTEM: MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PRIOR APPLICATION DATA:
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Best Local Similarity 100.
Matches 11; Conservative
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                 CORRESPONDENCE ADDRESS: ADDRESSE: SIXBEY, F
NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ; TOPOLOGY: LINEAR
US-09-118-276-16
                                                                           CITY: MCLEAN,
STATE: VIRGINIA
                                                                                                                         USA
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                                                                                                                                           22102
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-09-824-017-24/c
                                                                                                                       COUNTRY:
ZIP: 2210
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                                                   Sequence 205, Application US/09992665
Publication No. US200300920091
GENERAL INFORMATION:
APPLICANT: Kaia Palm
TITLE OF INVENTION: PROFILING TUMOR SPECIFIC MARKERS FOR THE
TITLE OF INVENTION: DIAGNOSTS AND TREATMENT OF NEOPLASTIC DISEASE
FILE REFERENCE: CEMINES: 002A
CURRENT APPLICATION NUMBER: US/09/992,665
CURRENT FILING DATE: 2001-11-13
PRIOR FILING DATE: 2000-11-16
NUMBER OF SEQ ID NOS: 380
SOFTWARE: PastSEQ for Windows Version 4.0
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APPLICANT: KUSHNIR, SERGEI;
APPLICANT: BE BLOCK, MARC;
APPLICANT: INZE, DIRK
TITLE OF INVENTION: METHODS AND MEANS TO MODULATE PROGRAMMED
TITLE OF INVENTION: CELL DEATH IN EUKARYOTIC CELLS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 110352, Application US/10098263B
; Publication No. US2003104410A1
; GENERAL INFORMATION:
; AFPLICANT: Mittman, Michael
; TITLE OF INVENTION: Human Microarray
; FILE REFERENCE: 3118.1
; CURRENT APPLICATION NUMBER: US/10/098,263B
; CURRENT APPLICATION NUMBER: US/276,759
; PRIOR FILING DATE: 2001-03-16
; NUMBER OF SEQ ID NOS: 131066
; SOFTWARE Microarray Probe Sequence Listing Generator V 1.1
LENGTH: 25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            55.0%; Score 11; DB 9; Length 25; 100.0%; Pred. No. 1.8e+03; iive 0; Mismatches 0; Indels
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Patent No. US20010011381A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                 ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity 100.0
"...hes 11; Conservative
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Best Local Similarity 100.
Matches 11; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                           ; OTHER INFORMATION: Probe US-09-992-665-205
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US-10-098-263B-110352
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                                   US-09-992-665-205
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                                                                                                                                                                                                                                                                                                                                   SEQ ID NO 205
LENGTH: 25
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                                                                                                                                                                                                                                                                HALLEK, Michael
TITLE OF INVENTION: PAPILLOMA VIRUS CAPSOMERE VACCINE
FORMULATIONS AND METHODS OF USE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 38;
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Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COMPUTER: IBM PC_compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
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REGISTRATION NUMBER: 31,298
REFERENCE/DOCKET NUMBER: 37067/102
TELECOMMINICATION INFORMATION:
TELEPHONE: (202) 672-5300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CURRENT APPLICATION DATA:

RAPLICATION NUMBER: US/09/824,017
FILING DATE: 03-Apr-2001
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
    Mismatches
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DESCRIPTION: /desc = "Primer"
US-09-824-017-25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICATION NUMBER: 09/026,896
FILING DATE: 1998-02-20
ATTORNEY/AGENT INFORMATION:
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Pred. No.
                                                                                                                                                                                                                                                                                                                                                CORRESPONDENCE ADDRESS:
ADDRESSEE: FOLEY & LARDNER
                                                                                                                                                                                                                                                                                                                                                                                       STREET: 3000 K Street, N.W. CITY: Washington
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 25, Application US/0996118A Publication No. US20030021806A1 GENERAL INFORMATION:
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100.0%; Pre
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Publication No. US20020197668A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                  COUNTRY: U.S.A.
ZIP: 20007-5109
COMPUTER READDALE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: BURGER, Alexander HALLEK, Michael
                                                                                                                                                                                                                                               APPLICANT: BURGER, Alexander
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: nucleic acid
STRANDEDNESS: single
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Matches 11; Conservative
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    Conservative
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                                            3 GACAGAGCCCA 13
                                                                                28 GACAGAGCCCA 18
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      11;
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      Matches
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                                                                                                                                                                                                                                                                                                          DB 9; Length 36;
1.7e+03;
                                                                                                                                                                                                                                                                                                                                                   0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/986,118A
FILING DATE: 07-No. US20030021806A1-2001
CLASSIFICATION: <UNKNOWN>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             FORMULATIONS AND METHODS OF USE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          55.0%; Score 11; DB 9; Le 100.0%; Pred. No. 1.7e+03;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NAME: Sandercock, Colin G.
REGISTRATION NUMBER: 31,298
REFERENCE/DOCKET NUMBER: 37067/102
TELECOMMUNICATION INFORMATION:
          REFERENCE/DOCKET NUMBER: 37067/102
                                                                                                                                                                                                                                                                                                            55.0%; Score 11; DB 100.0%; Pred. No. 1.7 ive 0; Mismatches
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APPLICATION NUMBER: US 09/026,896
FILING DATE: <UNKNOWN>
ATTORNEY/AGENT INFORMATION:
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MOLECULE TYPE: other nucleic acid

BESCRIPTION: /desc = "Primer"

SEQUENCE DESCRIPTION: SEQ ID NO: 24:
US-09-986-118A-24
                                                                                                                                                                                                                              DESCRIPTION: /desc = "Primer" SEQUENCE DESCRIPTION: SEQ ID NO: 24
                                                                                                                                                                                      TOPOLOGY: linear
MOLECULE TYPE: other nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CORRESPONDENCE ADDRESS:
ADDRESSEE: FOLEY & LARDNER
STREET: 3000 K Street, N.W.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              RESULT 11
US-09-986-118A-24/c
; Sequence 24, Application US/09986118A
; Publication No. US20030021806A1
                           TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 672-5300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COUNTRY: U.S.A.
ZIP: 20007-5109
COMPUTER READABLE FORM:
MEDIUM TYPE: FLORDY disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TELEFAX: (202) 672-5399 INFORMATION FOR SEQ ID NO: 24:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: BURGER, Alexander HALLEK, Michael
                                                                 TELEFAX: (202) 672-5399
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                                                                                                                          LENGTH: 36 base pairs
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STRANDEDNESS: single
                                                                                                                                                  TYPE: nucleic acid
STRANDEDNESS: single
                                                                                INFORMATION FOR SEQ ID NO: 24:
SEQUENCE CHARACTERISTICS:
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                                                                                                                                                                                                                                                                                                        Query Match
Best Local Similarity 100.
Matches 11; Conservative
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Burt Local Similarity
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Gaps

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Sequence 1384, Application US/09818875

Sequence 1384, Application US/09818875

Publication No. US2003051270A1

GENERAL INFORMATION:

APPLICANT: Kmiec, Eric B.

APPLICANT: Raice, Michael C.

TITLE OF INVENTION: Stranded Oligonucleotides

TITLE OP INVENTION: Stranded Oligonucleotides

TITLE OP INVENTION: Stranded Oligonucleotides

FILE REFERENCE: Napro-4

CURRENT FILING DATE: 2001-03-27

PRIOR APPLICATION NUMBER: US 60/192,176

PRIOR APPLICATION NUMBER: US 60/192,179

PRIOR PILING DATE: 2000-03-27

PRIOR PELING DATE: 2000-06-01

PRIOR PILING DATE: 2000-
                                                                                                                                        Gaps
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                                                           Score 10; DB 9; Le
; Pred. No. 7.5e+03;
                                                                                                                                        0; Mismatches
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                                                                  50.0%;
                                                                  Query Match 50.0
Best Local Similarity 100.
Matches 10; Conservative
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Best Local Similarity 100.
Matches 10; Conservative
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US-09-818-875-1384
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US-09-818-875-1383
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APPLICANT: Rice, Michael C.
TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single TITLE OF INVENTION: Stranded Oligonuclectides
TITLE OF INVENTION: Stranded Oligonuclectides
TITLE OF INVENTION: WINDRER: US/09/818,875
CURRENT APPLICATION NUMBER: US 60/192,176
PRIOR APPLICATION NUMBER: US 60/192,176
PRIOR APPLICATION NUMBER: US 60/192,179
PRIOR APPLICATION NUMBER: US 60/208,538
PRIOR FILING DATE: 2000-03-27
PRIOR APPLICATION NUMBER: US 60/244,989
PRIOR FILING DATE: 2000-10-30
NUMBER OF SEQ ID NOS: 4385
SOFTWARE: Friedman macro Napro4
SEQ ID NO 1383
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                                                                                                                                                                  COUNTRY: U.S.A.
ZIP: 20007-5109
COMPUTE READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICATION NUMBER: US/09/986,118A
FILING DATE: 07-No. US20030021806A1-2001
CLASSIFICATION: <Unknown>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             55.0%; Score 11; DB 9; L. 100.0%; Pred. No. 1.7e+03; trive 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 09/026,896
FILING DATE: CURNOWN:
ATTORNEY AGENT INFORMATION:
NAME: Sandercock, Colin G.
REGISTRATION NUMBER: 31,298
REFERENCE/DOCKET NUMBER: 37067/102
TELECOMUNICATION INFORMATION:
TELEPHONE: (202) 672-5300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: other nucleic acid
DESCRIPTION: /desc = "Primer"
SEQUENCE DESCRIPTION: SEQ ID NO: 25:
US-09-986-118A-25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 1383, Application US/09818875
Publication No. US20030051270A1
GENERAL INFORMATION:
APPLICANT: Kmiec, Eric B.
                                                                  3000 K Street, N.W
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            INFORMATION FOR SEQ ID NO: 25
SEQUENCE CHARACTERISTICS
                                                                                                       CITY: Washington
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity 100.
Matches 11; Conservative
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Sequence 5, Appl:
                                                                                                      June 23, 2003, 04:53:08; Search time 31.3147 Seconds (without alignments) 195.867 Million cell updates/sec
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Sequence
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                                                                                                                                                                                                                                                                                                                                                           609818
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(GGTZ 6/ptodata/2/ina/5A COMB.seq:*

(GGTZ 6/ptodata/2/ina/6B_COMB.seq:*

(GGTZ 6/ptodata/2/ina/6A_COMB.seq:*

(GGTZ 6/ptodata/2/ina/6B_COMB.seq:*

(GGTZ 6/ptodata/2/ina/eTUS COMB.seq:*

(GGTZ 6/ptodata/2/ina/PTUS COMB.seq:*

(GGTZ 6/ptodata/2/ina/PTUS COMB.seq:*
                GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd
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S-08-292-620A-1733
S-09-071-845-1733
S-08-584-040-5345
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-08-944-368A-24
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               -09-820-764-24
-08-944-368A-25
                                                                                                                                                                                                                                                                                                                                                    Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           JS-08-338-579A-49
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SUMMARIES
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                                                                             - nucleic search, using sw model
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Gapop_60.0 , Gapext 60.0
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Match Length DB
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Perfect score:
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                                                                                                                                                                                                                                       Scoring table:
                                                                                                                                                                                                                                                                                                                        Word size :
                                                                             OM nucleic
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                                                                                                                                                                                                           Sequence:
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                                                                                                             Run on:
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No.
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26, App 49, App 420, App 420, App 420, App 420, App 441,		Gaps
acinence displayed d	o f	ó ;
sequence Seq	Сощро	Length 20; Indels
20 4 US-09-545-686-26 20 5 PCT-US94-08951-49 21 3 US-09-09-913-250 21 4 US-09-318-207-420 21 4 US-09-218-207-420 21 4 US-09-218-207-420 24 1 US-07-965-24-2 24 1 US-08-203-905B-25 27 3 US-08-203-905B-25 27 3 US-09-248-571-6 27 4 US-09-344-050-67 27 4 US-09-344-050-67 28 4 US-09-353-756-6 29 4 US-09-353-756-6 20 4 US-08-553-756-6 21 US-08-577-121-47 30 3 US-08-577-121-47 30 5 PCT-US95-16216-47 31 US-08-292-620A-2026 32 US-08-292-620A-2026	ALIGNMENTS 1d 1d 1d 1d 1d 1d 1d 1d 1d 1	.0%; Score 20; DB 2; Le .0%; Pred. No. 0.0025; 0; Mismatches 0;
	Application US/08' 846723 8646723 CORNATION: F. Kim', Nam Woo F. Kim', Nam Woo F. Kealey', James F. Fred F. Fr	100 Similarity 100 10; Conservative
000000000000000000000000000000000000000	RESULT 1 US-08-770-565-6 Sequence 6, Application US/087 Patent No. 5846723 APPLICANT: Kim, Nam Woo APPLICANT: Kaley, James T APPLICANT: Pruzan, Ronald APPLICANT: Pruzan, Ronald APPLICANT: Pruzan, Renald APPLICANT: Pruzan, Renald APPLICANT: Pruzan, Renald TITLE OF INVENTION: Telome NUMBER OF SEQUENCES: 26 CORRESPONDENCE ADDRESS: ADDRESSEE: TWO Embarcadero CITY: San Francisco CITY: San Francisco CITY: San Francisco CITY: San Francisco CONFESPER: TWO Embarcadero STATE: California COUNTRY: USA ZIP: 94111-3834 COMPUTER: BEN PC compati OPERATING SYSTEM: PC-DOS SOFTWARE: PALLICATION DATA: APPLICATION NUMBER: US/O FILING DATE: 20-DEC-1996 CLASSIFICATION NUMBER: 32, REGISTRATION NUMBER: 32, REGISTRATION: 415-576-0300 INFORMATION FOR SEQ DI NO. 6 SEQUENCE CHARACTERIZES LENGTH: 20 base pairs TYPE: MUCLEIC acid STRANDEDNESS: single TOPOLOGY: linear MOLECULE TYPE: DNA	Match local
00000000000000000000000000000000000000	SULT 1 Sequence Sequence APPLIC CURREP STRA APPL FILL APPLIC CURREP FILL APPL FILL TELEC	Query M Best Lo Matches
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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: I BN PC Compatible
COMPUTER: Floppy disk
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/974,180
FILING DATE: 19-NOV-1997
CLASSIFICATION : 435
ATTORNEY/AGENT INFORMATION:
NAME: Keater, Kevin R.
REGISTRATION NUMBER: 32,704
REFERENCE/COMPUTION INFORMATION:
TELEPHONE: (650) 473-779
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ; LOCATION: 1..26
; OTHER INFORMATION: /note= "primer hTR 5328"
US-08-974-180-33
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Pred. No. 8.4;
0; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 OPERATING SYSTEM: IBM P.C. DOS 5.0 SOFTWARE: Word Perfect 5.1 CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/292,620A FILING DATE: August 17, 1994 CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-08-292-620A-451
; Sequence 451, Application US/08292620A
; Patent No. 5837542
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100.0%; Pre
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STREET: 633 West Fifth Street
STREET: Suite 4700
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: Susan Grimm
APPLICANT: Dan T. Stinchcomb
APPLICANT: James McSwiggen
APPLICANT: Sean Sullivan
APPLICANT: Kenneth G. Draper
                                                                                                                                                                                                                                                                                                                                     INFORMATION FOR SEQ ID NO: 33
SEQUENCE CHARACTERISTICS:
LENGTH: 26 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COMPUTER: IBM Compatible
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       MOLECULE TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity
Matches 14; Conserv
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                                                                                                                                                                                                           APPLICANT: Wu, Fred
APPLICANT: Kealey, James T.
APPLICANT: Kealey, James T.
APPLICANT: Pruzant, Ronald
APPLICANT: Pruzant, Ronald
APPLICANT: Pruzant, Ronald
APPLICANT: Pruzant, Scott L.
TITLE OF INVENTION: Telomerase
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS: ADDRESSE: TOWNSEND and TOWNSEND and CREW LLP
STREET: Two Embarcadero Center, 8th Floor
CITY: San Francisco
STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-OULT 3
US-08-974-180-33/C
| Sequence 33, Application US/08974180
| Patent No. 6025194
| GENERAL INFORMATION:
| APPLICANT: FUNK, Walter
| TITLE OF INVENTION: Methods for Modulating and Identifying
| TITLE OF INVENTION: Callular Senescence
| NUMBER OF SEQUENCES: 36
| CORRESPONDENCE ADDRESS:
| ADDRESSEE: Geron Corporation
| STREET: 230 Constitution
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
100.0%; Score 20; DB 2; Length 30;
Best Local Similarity 100.0%; Pred. No. 0.0025;
Matches 20; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/770,565
FILING DATE: 20-DEC-996
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
REPERENCE/DOCKET NUMBER: 015389-002300US
TELECOMUNICATION INFORMATION:
TELECHONE: 415-576-0200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                       Sequence 5, Application US/08770565
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TELEFAX: 415-5/0-VI
INFORMATION FOR SEQ ID NO: 9
SEQUENCE CHARACTERISTICS: 1-RNGTH: 30 Dasse pairs
                                                                                                                                                                                           APPLICANT: Kim, Nam Woo APPLICANT: Wu, Fred
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: nucleic acid
STRANDEDNESS: sing
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            linear
                                                                                                                                                 Patent No. 5846723
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ; TOPOLOGY: 11;
; MOLECULE TYPE:
US-08-770-565-5
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                                                                             RESULT 2
US-08-770-565-5
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Gaps

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Length 26; Indels

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GENERAL INFORMATION:
APPLICANT: Cros, Phillippe
APPLICANT: Allibert, Patrice Andre
APPLICANT: Allibert, Patrice Andre
APPLICANT: Dalbon, Pascal Thierery
APPLICANT: Dalbon, Percess for Immobilizing a Nucleic Acid
TITLE OF INVENTION: Fragment by Passive Attachement to a Solid Substrate, the
TITLE OF INVENTION: Solid Substrate thus Obtained and Its Use.
NUMBER OF SEQUENCES: 12
CORRESPONDENCE ADDRESS:
ADDRESSEE: Oliff and Berridge
STREET: 700 S. Washington St.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match 55.0%; Score 11; DB 3; Length 15; Best Local Similarity 72.7%; Pred. No. 4.8e+02; Matches 8; Conservative 3; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CITY: Alexandria
CITY: Alexandria
STATE: Virginia
CONTRY: USA
ZIP: 2214
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: BW PC compatible
COMPUTER: BW PC compatible
COMPUTER: BW PC compatible
COMPUTER: USA PATENTIN Release #1.0, Version #1.25
CURRENT APPLICATION NUMBER: US/08/273,776
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CLASSIFICATION (435
REIOR PAPLICATION (435
REIOR PAPLICATION DATE:
APPLICATION NUMBER: US 07/913,953
FILING DATE: 17-JUL-1992
ATTORNEY/AGENT INFORMATION:
NAME: Berridge, William P.
REGISTRATION NUMBER: 30,024
REFERENCE/DOCKET NUMBER: WPE28083
TELECHONE: (703) 836-6400
TELECHONE: (703) 836-5787
TELERAX: (703) 836-5787
TELERAX: 90-1799 PTO ALEX
INFORMATION FOR SEQ ID NO: 12:
SEQUENCE CHARACTERISTICS:
LENGTH: 18 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-08-273-776-12
; Sequence 12, Application US/08273776
; Patent No. 5510084
                                                            NAME: Warburg, Richard J.
REGISTRATION NUMBER: 32,327
REPERENCE/DOCKET NUMBER: 208/);
TELECOMMUNICATION INFORMATION:
TELEFROM. (213) 489-1600
TELEFAX: (213) 955-0440
TELEFAX:
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                                ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             10 CCCAACTCTTC 20
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Pred. No. 4.8e+02;
3; Mismatches 0; Indels
                                                                     including application described below:
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APPLICANT: Susan Grimm
APPLICANT: Dan T. Stinchcomb
APPLICANT: James McSwiggen
APPLICANT: Sean Sullivan
APPLICANT: Kenneth G. Draper
ITILE OF INVENTION: RIBOZYME OF
ITILE OF INVENTION: RIBOZYME OF
ITILE OF INVENTION: RIBOZYME APHESION
ITILE OF INVENTION: NATACELLUAR APHESION
ITILE OF INVENTION: MOLECULE-1 (I-CAM-1)
NUMBER OF SEQUENCES: 2390
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  3; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
STREET: Suite 4700
CITY: Los Angeles
COUNTRY: U.S.A.
ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: STORAGE
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: WORD PETECT 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/071,845
PRIOR APPLICATION DATA: including appl PRIOR APPLICATION DATA: described belc, application number: described belc, application number: 08/008,895 FILING DATE: January 19, 1993 APPLICATION NUMBER: 07/989,849 FILING DATE: December 7, 1992 ATTORNEY/ACENT INFORMATION: NAME: Warburg, Richard J. REGISTRATION NUMBER: 32,327 REGISTRATION NUMBER: 208/149 TELEFHONE: (213) 955-0440 TELEFAX: (213) 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US/08/292,620
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PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/292,620
FILING DATE: August 17, 1994
APPLICATION NUMBER: 08/008,895
FILING DATE: January 19, 1993
APPLICATION NUMBER: 07/989,849
FILING DATE: December 7, 1992
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 451, Application US/09071845
Patent No. 6132967
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Best Local Similarity 72.7.
Local 8; Conservative
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US-08-292-620A-451
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POSITION IN GENOME:
CHROMOSOME/SEGMENT:
MAP POSITION:
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TISSUE TYPE:
CELL TYPE:
CELL LINE:
ORGANELLE:
IMMEDIATE SOURCE:
LIBRARY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ANTI-SENSE:
FRAGMENT TYPE:
ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ORGANISM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TITLE:
JOURNAL:
VOLUME:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  STRAIN:
                                                                                                                                                                                                                                                                                                                                APPLICANT: CROS, PHILIPPE
APPLICANT: MALLEY, FRANCOIS
APPLICANT: MALLEY, FRANCOIS
APPLICANT: MALLEY, FRANCOIS
APPLICANT: MALLEY, FRANCOIS
APPLICANT: MADISAND, BERNARD
ITILE OF INVENTION: ENCEDURE FOR DETECTION OF A NUCLECTIDE
ITILE OF INVENTION: SEQUENCE BY IMPLEMENTING THE SANDWICH HYBRIDIZATION
ITILE OF INVENTION: TECHNIQUE
NUMBER OF SEQUENCES: 113
CORRESPONDENCE ADDRESS:
ADDRESSEE: CUSHWAN, DARBY & CUSHWAN
STREET: 1100 NEW YORK AVENUE, N.W.
CITY: WASHINGTON
STATE: D.C.
COUNTRY: USA
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                                                                                   Gaps
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                                        Length 18;
                                                                                Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/255,892
                                      55.0%; Score 11; DB 1; Le ilarity 100.0%; Pred. No. 4.8e+02; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     FILING DATE:

RIGASSIFICATION: 435

RIGASSIFICATION: 435

RIGASTELCATION: 435

RIGHT APPLICATION DATE:

FILING DATE: 11-FEB-1992

ATTORNEY/AGENT INFORMATION:

NAME: DEAVER, DONALD B.

REGISTRATION NUMBER: 23,048

REFERENCE/DOCKET NUMBER: 1032/94109

TELECOMMONICATION INFORMATION:

TELECOMMONICATION INFORMATION:

TELECHONE: 202-861-3000

TELEFRX: 202-861-3000
                                                                                                                                                                                                                                                         US-08-255-892-42; Sequence 42, Application US/08255892; Patent No. 5695926; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  RESULT 8
US-08-358-995-2/c
; Segmence 2, Application US/08358995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ; MOLECULE TYPE: DNA (genomic)
US-08-255-892-42
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TELEX: 6714627 CUSH
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   LENGTH: 18 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                             3 GACAGAGCCCA 13
                                                                                                                                                                      4 GACAGAGCCCA 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ropology: linear
                                        Query Match
Best Local Similarity
Matches 11; Conserv
US-08-273-776-12
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GENERAL INFORMATION:

APPLICANT: Akio YAMANE

TITLE OF INENTION: Microtiter Well For Detecting

CORRESPONDENCE ADDRESS:

STREET: 805 Fifteenth Street, N.W., #700

CITY: Meshington

CITY: Weshington

CONFUTER: READABLE FORM:

MORIUM TYPE: Diskette, 5.25 inch, 500 KD

COMPUTER: READABLE FORM:

MORIUM TYPE: DISKETTE, STREET, MA-DOS

SOFTWARE: US. OS SOFTWARE:

COMPUTER: THE COMPUTER: US. OS SOFTWARE:

CLASSIFICATION NUMBER: 08-004,572

RELIEF AND APPLICATION NUMBER: 08-004,572

FILING DATE: James 28, 1931

APPLICATION NUMBER: 08-1931

APPLICATION NUMBER: 08-1931

APPLICATION NUMBER: 08-1931

APPLICATION NUMBER: 08-1931

ATTORNEY AGENT INFORMATION:

RECEIVED THE CONTROL OF STREET O
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Sequence 110, Application US/09347114A
; Sequence 110, Application US/09347114A
; Patent No. 6297014
; GENERAL INFORMATION:
; APPLICANT: Maren T. Schemer (Inventor)
; APPLICANT: Maren T. Schemer (Inventor)
; APPLICANT: Huiying Yang (Inventor)
; APPLICANT: Huiying Yang (Inventor)
; TITLE OF INVENTION: Genetic Test to Determine
; TITLE OF INVENTION: 0.0.6297014-responsiveness to Statin Drug Treatment
; FILE REFERENCE: PO7 41878
; CURRENT FILING DATE: 1999-07-02
; NUMBER OF SEQ ID NOS: 110
; SEQ ID NO S: 110
; SEQ ID NO S: 110
; SEQ ID NO 110
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 21;
             COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOCTAME: Batentin Release #1.0, Version #1.30
SOCTAMEN: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/927,219
FILING DATE: CONCURRENTLY Herewith
CLASSIFICATION BATA:
APPLICATION NUMBER: US 60/029,679
FILING DATE: 30-OCT-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/028,056
FILING DATE: 02-OCT-1996
PRIOR APPLICATION NUMBER: US 60/025,719
FILING DATE: 10-0EP-1996
ATCHING DATA:
APPLICATION NUMBER: US 60/025,719
FILING DATE: 10-0EP-1996
ATCHING DATA:
APPLICATION NUMBER: US 60/025,719
FILING DATE: 10-0EP-1996
ATCHING DATA: 10-0EP-1996
ATCHING DATA: 10-0EP-1996
ATCHING DATA: 11-0EP-1996
ATCHING DATA: 10-0EP-1996
ATCHING DATA: 10-0EP
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Pred. No. 4.8e+0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match 55.0%; Score 11; DB Best Local Similarity 100.0%; Pred. No. 4.6 Matches 11; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        INFORMATION FOR SEQ ID NO: 29: SEQUENCE CHARACTERISTICS:
Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity 100.
Matches 11; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: nucleic acid
STRANDEDNESS: single
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CTGACAGAGCC
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US-08-927-219-29
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MEDIUM TYPE:
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APPLICANT: Yamagata, Kazuya
APPLICANT: Yamagata, Kazuya
APPLICANT: Machisha
APPLICANT: Machisha
APPLICANT: Machisha
APPLICANT: Furuta, Hiroto
APPLICANT: Horikwa, Yukio
APPLICANT: Marzel, Stephen
TITLE OF INVENTION: MUTATIONS IN THE DIABETES SUSCEPTIBILITY
TITLE OF INVENTION: AND HNF-4ALPHA
NUMBER OF SEQUENCES: 147
CORRESPONDENCE ADDRESS:
ADDRESSEE: Arnold, White & Durkee
STREET: P.O. Box 4433
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ö
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Patent No. 6027891

GENERAL INFORMATION:

APPLICANT: WORNER, Stefano

APPLICANT: WORNER, Stefano

APPLICANT: WORNER, Stefano

TITLE OF INVENTION: A PATHOD OF EALLY DETECTION OF

TITLE OF INVENTION: APV-ASSCIATED CARCINOMAS AND EXTREME DYSPLASIAS

TITLE OF INVENTION: CAUSED BY HPV

TITLE OF INVENTION: CAUSED BY HPV

TITLE OF INVENTION: US/08/913,547A

CURRENT APPLICATION NUMBER: US/08/913,547A

CURRENT FILING DATE: 1998-01-28

NUMBER OF SEQ ID NOS: 24

SOFTWARE: FaetSEQ for Windows Version 3.0

SEQ ID NO 3.
                                                                                                                                                                                                                                                                                                                                                                        Gaps
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                                                                                                                                                                                                                                                                                           55.0%; Score 11; DB 1; Length 20; 100.0%; Pred. No. 4.8e+02; tive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    55.0%; Score 11; DB 3; Length 20; 100.0%; Pred. No. 4.8e+02; ive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 29, Application US/08927219
Patent No. 6187533
GENERAL INFORMATION:
                                                                                       DOCUMENT NUMBER:

FILING DATE:
PUBLICATION DATE:

RELEVANT RESIDUES IN SEQ ID NO:
US-08-358-995-2
                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity 100.1
Matches 11; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity 100.
Matches 11, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                   3 GACAGAGCCCA 13
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COMPUTER READABLE FORM:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ; TYPE: DNA; ORGANISM: Homo sapiens
US-08-913-547-3
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COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-08-927-219-29
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US-08-913-547-3
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Query Match 55.0%; Score 11; DB 4; Length 36; Best Local Similarity 100.0%; Pred. No. 4.8e+02; Matches 11; Conservative 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 25, Application US/08944368A
Patent No. 6228368
GENERAL INFORMATION:
APPLICANT: GISSMan, et al.
TITLE OF INVENTION: Papilloma Virus Capsomere Vaccir
TITLE OF INVENTION: Pomulations and Methods of Use
                                                                                                                                                                                              ATTORNEY/AGENT INFORMATION:

NAME: SANGERCOCK, COLIN G.

REGISTRATION UNMBER: 37.067/102

REFERENCE/DOCKET NUMBER: 37067/102

TELECOMMUNICATION INFORMATION:

TELEFAX: (202) 672-5399

INFORMATION FOR SEQ ID NO: 24:

SEQUENCE CHARACTERISTICS:

LENGTH: 36 base pairs

TYPE: NUCLSIC acid

STRANDEDNESS: single
APPLICATION NUMBER: US/09/820,764
FILING DATE: 30-Mar-2001
CLASSIFICATION: <Unknown>
                                                                                                                                              APPLICATION NUMBER: US 09/026,896
FILING DATE: 20-FEB-1998
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TOPOLOGY: linear
MOLECULE TYPE: other nucleic acid
DESCRIPTION: /desc = "primer"
SEQUENCE DESCRIPTION: SEQ ID NO: 24:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     27013/34028
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ATTORNEY/AGENT INFORMATION:
NAME: WIlliams Jr., Joseph A.
REGISTRATION NUMBER: 38,659
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          REFERENCE/DOCKET NUMBER: 27
TELECOMMUNICATION:
TELEPHONE: 312-474-6300
                                                                                                                PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 38 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       3 GACAGAGCCCA 13
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Patent No. 6352696
GENERAL INFORMATION:
APPLICANT: BURGER, Alexander
APPLICANT: BURGER, Michael
TITLE OF INVENTION: PAPILLOWA VIRUS CAPSOMERE VACCINE
FORMULATIONS AND METHODS OF USE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                55.0%; Score 11; DB 4; Length 36;
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COUNTRY: U.S.A.
ZIP: 2007-5107
COMPUTEX: BLOADABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
                                                                                                        GENERAL INFORMATION:
APPLICANT: Gissman, et al.
TILLE OF INVENTION: Papilloma Virus Capsomere Vaccine
TITLE OF INVENTION: Formulations and Methods of Use
                                                                                                                                                                                                                                                                                                                                                                                                                               CITY: Chicago
STATE: Illinois
COUNTRY: United States of America
ZIP: 66060-6402
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: PLOPPY disk
COMPUTER: PLOPPY disk
COMPUTER: PAPEL FC-DOS/MS-DOS
SOFTWARE: PAPELICATION DATA:
APPLICATION NUMBER: US/08/944,368A
FILING DATE:
                                                                                                                                                                                                                                                      NUMBER OF SEQUENCES: 28
CORRESPONDENCE ADDRESS:
ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & ADDRESSEE: Borun
                                                                                                                                                                                                                                                                                                                                                                                                        STREET: 233 South Wacker Drive, 6300 Sears Tower
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ADDRESSEE: FOLEY & LARDNER
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CLASSIFICATION: 424
ATTORNEY/AGENT INPORMATION:
NAME: Williams Jr., Joseph A.
REGISTRATION NUMBER: 38,659
                             Sequence 24, Application US/08944368A
Patent No. 6228368
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                REFERENCE/DOCKET NUMBER: 27
TELECOMMUNICATION INFORMATION:
TELEPHONE: 312-474-6300
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STRANDEDNESS: single
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Best Local Similarity
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           US-08-944-368A-24/C
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US-09-820-764-24/c
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CORRESPONDENCE ADDRESS:
ADDRESSE: FOLEY & LARDNER
STREET: 3000 K Street, N.W.
CITY: Washington
STATE: D.C.
COMPUTRY: U.S.A.
IP: 20007-5109
COMPUTRY: IEM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/820,764
FILING DATE: 30-Mar-2001
CLASSIFICATION NUMBER: US 09/026,896
FILING DATE: 20-FEB-1998
ATTORNEY/AGENT INFORMATION:
NAME: SanderCock, Colin G.
REGISTRATION NUMBER: 31.298
REFERENCE/DOCKET NUMBER: 31.298
REFERENCE/D
                                                                                                                                                                                                                                                                                                                                                                                         RESULT 15
US-09-820-764-25/c
; Sequence 25, Application US/09820764
; Patent No. 6352696
; GENERAL INFORMATION:
; APPLICANT: BURGER, Alexander
; HALLER, Michael
; TITLE OF INVENTION: PAPLILLOMA VIRUS CAPSOMERE VACCINE
TITLE OF INVENTION: PAPLILLOMA VIRUS CAPSOMERE VACCINE
78 TITLE OF INVENTION: PAPLILLOMA VIRUS CAPSOMERE VACCINE
                                                                       Query Match 55.0%; Score 11; DB 4; Length 38; Best Local Similarity 100.0%; Pred. No. 4.8e+02; Matches 11; Conservative 0; Mismatches 0; Indels
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55.0%; Score 11; DB 4; Le
Best Local Similarity 100.0%; Pred. No. 4.8e+02;
Matches . 11; Conservative 0; Mismatches 0;
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MOLECULE TYPE: other nucleic acid

DESCRIPTION: /desc = "Primer"

SEQUENCE DESCRIPTION: SEQ ID NO: 25:
US-09-820-764-25
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TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                             36 GACAGAGCCCA 26
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US-08-944-368A-25
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Search completed: June 23, 2003, 10:17:05 Job time: 31.3147 secs

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Human silent SNP c Construct pC2-m9#5 Oligonucleotide SE Oligonucleotide SE Oligonucleotide SE

Oligonucleotide SE Oligonucleotide SE Mouse ICAM hammerh Detection probe #2 Detection probe fo HPV-16 primer (694

Sequence of probe 5' primer for huma Human diacylglycer

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score:

Title: Perfect (

Sequence:

OM nucleic

Run on:

Scoring table:

Word size :

Database

Searched:

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RNA component; human telomerase; antisense oligonucleotide; infection; neuroblastoma; bladder cancer; colon cancer; prostate cancer; contraception; sterilisation; immunosuppression; therapeutic; hTR; immune system down-regulation; anti-inflammatory therapy; ss
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ABA91189
AAH01361
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AAQ91372
AAZ23409
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AAQ36192
AAN97152
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AAD05954
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ABQ02284
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AAZ48194
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96US-0770565.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (first entry)
 Kealey JT, Kim NW,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (GERO-) GERON CORP.
 Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           19-DEC-1997;
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20-DEC-1996;
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RNA component of h
PCR primer hTR S32
Mouse Elf-1 revers
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Rye mircrosatellit
S. cereale microsa
PCR primer used to
Human silent SNP c
                                                                           June 22, 2003, 18:09:32 ; Search time 132.908 Seconds (without alignments) 338.880 Million cell updates/sec
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| SIDS2/gcgdata/geneseq/geneseqn-embl/NA1980.DAT:*
| SIDS2/gcgdata/geneseqy-embl/NA1981.DAT:*
| SIDS2/gcgdata/geneseqy-embl/NA1981.DAT:*
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| SIDS2/gcgdata/geneseqy-embl/NA1981.DAT:*
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| SIDS2/gcgdata/geneseqy/geneseqn-embl/NA2001.DAT:*
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| SIDS2/gcgdata/geneseqy/geneseqn-embl/NA2001.DAT:*
| SIDS2/gcgdata/geneseqy/geneseqy-embl/NA2001.DAT:*
| SIDS2/gcgdata/geneseqy/geneseqy-embl/NA2001.DAT:*
| SIDS2/gcgdata/geneseqy/geneseqn-embl/NA2001.DAT:*
| SIDS2/gcgdata/geneseqy/geneseqn-embl/NA2001.DAT:*
| SIDS2/gcgdata/geneseqy/geneseqn-embl/NA2001.DAT:*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Description
                                                                                                                                                                                                                                                    2166140
          5.1.6
Compugen Ltd
                                                                                                                                                                                                                                                    chosen parameters:
                                                                                                                                                                                                      2185239 seqs, 1125999159 residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SUMMARIES
          GenCore version
Copyright (c) 1993 - 2003
                                                                                                                                                                                                                                                                                                          Post-processing: Listing first 45 summaries
                                                      nucleic search, using sw model
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAV41173
AAV41172
AAX77131
AAA61649
ABL43397
AAZ36927
AAX36173
AAX36173
                                                                                                                                              CTGACAGAGCCCAACTCTTC 20
                                                                                                                                                                    OLIGO_NUC
Gapop_60.0 , Gapext 60.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               B
                                                                                                                     US-08-770-564A-6
20
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Maximum DB seq length: 50
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Match
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100.0
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WPI; 1998-377670/32

004421111

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Result No.

Oligonuclectide ad Oligonuclectide ad Oligonuclectide ad Oligonuclectide ad Oligonuclectide br. Human Neuroll gene PCR primer for Al. HPV16L1B7 fusion p HPV16L1B7 fusion p

Human gene single Collectin PCR prim aac(3/)-IIb resist Human papillomavir HPV probe. Synthe

Sequence of probe

Primer #106

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Sequences shown in AAV41169 to AAV41181 represent antisense
oligonuclectides to the RNA component of human telomerase (HTR). These
antisense oligonuclectides specifically hybridise to a nucleotide
sequence within an accessible region of the hTR, but that does not
hybridise to a sequence within the template region of HTR. These
cligonuclectides may specifically be used for detection of an RNA
component of human telomerase in a sample. This is useful for diagnosing
cancer (especially neuroblastoma, bladder, colon and prostate cancer),
and providing prognosis for a cancer patient. The inhibitor,
cancer (especially neuroblastoma, bladder, colon and prostate cancer),
oligonuclectides can inhibit the telomerase activity level in a cell by
interfering with transcription of the RNA component, decreasing the
half-life of the telomerase RNA component transcript, inhibiting the
colon than the telomerase holoenzyme, or inhibiting the
polymerase activity of telomerase. These antisense oligonucleotides can
be used for inhibiting telomerase activity; in both outlured cells and in
cells in vivo. They can be used in therapeutics for treating or
immunosuppression, and for selectively down-requilating specific branches
of the immune system, e.g. a specific subset of T-cells, in
anti-inflammatory therapies or for treating infections by, e.g. yeast,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          component; human telomerase; antisense oligonucleotide; infection;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             neuroblastoma; bladder cancer; colon cancer; prostate cancer; cancer; contraception; sterilisation; immunosuppression; therapeutic; hTR; immune system down-regulation; anti-inflammatory therapy; ss.
              New polynucleotide(s) anti:sense to human telomerase - used for detecting or inhibiting human telomerase, e.g. for treating cancers, contraception, immuno-suppression or treating infection
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             100.0%; Score 20; DB 19; Length 20; 100.0%; Pred. No. 0.024; cive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RNA component of human telomerase (hTR) antisense oligo 16.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Wu F;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Weinrich SL,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 20 BP; 5 A; 8 C; 3 G; 4 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CTGACAGAGCCCAACTCTTC 20
                                                                                              65; 80pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Kim NW, Pruzan R,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAV41172 standard; DNA; 30 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          96US-0770564
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                97WO-US23619
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    20; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WPI; 1998-377670/32
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     parasites or fungi.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (GERO-) GERON CORP.
                                                                                              Claim 11; Page
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                19-DEC-1997;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    W09828442-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     20-DEC-1996;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          20-DEC-1996;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              08-OCT-1998
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         02-JUL-1998
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Kealey JT,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAV41172;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Matches
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Sequences shown in AAV41169 to AAV41181 represent antisense

cligonucleotides to the RNA component of human telomerase (hTR). These
antisense coligonucleotides specifically hybridise to a nucleotide
sequence within an accessible region of the hTR, but that does not
compound the sequence within the template region of hTR. These
component of human telomerase in a sample. This is useful for diagnosing
connec (especially neuroblastoma, bladder, colon and prostate cancer),
component of human telomerase in a sample. This is useful for diagnosing
cancer (especially neuroblastoma, bladder, colon and prostate cancer),
cligonucleotides can inhibit the telomerase activity level in a cell by
interfering with transcription of the RNA component, decreasing the
conformation of the telomerase RNA component transcript, inhibiting the
collectivity of telomerase rhese antisense oligonucleotides can
be used for inhibiting telomerase activity in both cultured cells and in
cells in vivo. They can be used in therapeutics for treating or
cells in vivo. They can be used in therapeutics for treating or
cells in vivo. They can be used in therapeutics for treating or
cells in vivo. They can be used in therapeutics for treating or
cells in vivo. They can be used in therapeutics for treating or
cells in wine system, e.g. a specific subset of T-cells, in
cant-inflammatory therapies or for treating infections by, e.g. yeast,
confunction or for for treating infections by, e.g. yeast,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          modulator; GC6 gene; senescent gene expression;
                               detecting or inhibiting human telomerase, e.g. for treating cancers, contraception, immuno-suppression or treating infection
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  New human GC6 gene, useful for identifying agents for treating diseases and/or conditions associated with cell senescence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              100.0%; Score 20; DB 19; Length 30; 100.0%; Pred. No. 0.024;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Indels
New polynucleotide(s) anti:sense to human telomerase detecting or inhibiting human telomerase
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 30 BP; 6 A; 10 C; 9 G; 5 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CTGACAGGCCCAACTCTTC 20
                                                                                       Claim 11; Page 65; 80pp; English
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 CTGACAGAGCCCAACTCTTC
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ID AAX77131 standard; DNA; 26 BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                98WO-US24996.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            pGC6; human; PCR primer; ss
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WPI; 1999-347496/29.
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ses 20, Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   19-NOV-1997;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Matches
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Gaps

Pred. No. 69;

Best Local Similarity

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senescence. Recombinant expression vectors comprising a recombinant polymucleotide corresponding to a polymucleotide in a human GGG gene, are useful for altering senescent gene expression. The vectors and host cells comprising the protein gene expression. The polymucleotides are useful for modulate senescent gene expression. The polymucleotides are useful for producing the protein, gGGG and mucleic caid derivatives. The proteins encoded are useful for raising antibodies specific for pGGG, which are useful for isolating pGGG, and for detecting cells comprising pGCG, which are complex cell mixtures. The characterization of the polymucleotides enable the identification of therapeutic agents that identify and distinguish between young and senescent cells. This enables treatment of aging diseases induced or exacerbated by cellular senescence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 The invention relates to three polymorphic variants of a rat transcriptional regulatory factor Elf-1 (AAB03199-B03192) and nucleic acids encoding them (AAAA61645-A61647). The invention also encompasses the use of Elf-1 for regulating the transcription of a gene in an expression vector. The CDNA encoding rat Elf-1 variant #1 (AAA61645) was isolated using PCR primers (AAA61648-A61649) based on mouse Elf-1 CDNA, and the rat Elf-1 variant #2 and 3# CDNAs (AAA61646-A61647) were subsequently isolated. The Elf-1 CDNA and protein sequences are potentially useful for the prevention and treatment of immunological and allergic diseases mediated by Elf-1. Sequences AAA61648-A61649 represent mouse Elf-1 variant #1 cDNA.
  invention relates to methods for modulating and identifying cellular
                                                                                                                                                                                                                                                                                                                                                       Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          A transcription regulating factor Elf-1 cDNA and its polymorphism
                                                                                                                                                                                                                                                                                                                                                       ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Elf-1, mouse, transcriptional regulatory factor; rat; polymorphic variant; immunological disease; allergic disease; PCR primer; 88.
                                                                                                                                                                                                                                                                                                        70.0%; Score 14; DB 20; Length 26;
                                                                                                                                                                                                                                                                                                                                                     Indels
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                                                                                                                                                                                                                                                                      Seguence 26 BP; 1 A; 8 C; 9 G; 8 T; 0 other;
                                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity 100.0%; Pred. No. v.,
Matches 14; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Example 1; Page 4; 21pp; Japanese.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Mouse Elf-1 reverse PCR primer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAA61649 standard; DNA; 30 BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       98JP-0309595.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   98JP-0309595
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                                                                                                                                                                                                                                                                                                                                                                                                                 14 CTGACAGAGCCCAA 1
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70.0%; Score 14; DB 21; Length 30;

Seguence 30 BP; 9 A; 4 C; 7 G; 10 T; 0 other;

Query Match

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The present invention describes a method of arraying genome clones. The method comparises: a) clones of the genomic libraries contained in multiwell plates numbered for discrimination are mixed in each of the multiwell plates; (b) a primer designed based on the chromosome marker sequence is added to the mixture to carry out an amplification reaction; (c) a signal corresponding to the marker is detected from the resultant plates containing the clones having said marker sequence; (d) the order of the markers is changed so that the same discrimination Nos. of the multiwell plates; (e) the clones in the multiwell plates of the specified discrimination Nos. to array the multiwell plates; (e) the clones in the multiwell plates of the specified discrimination Nos. corrected to the arraindination Nos. are mixed respectively in each wells of longitudinal cand lateral directions; (f) the mixed clones are cultured and the resultant cultures are amplified products; (h) the clones in the multiwell plates are specified from the detected result; and (i) the clones are reconstituted as the positions on the chromosome and arrayed. The mixed for microarray is useful for gene analysis. ABM45357 to ABM45322 represent
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ö
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                                                             Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gарв
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Human; chromosome 1p36-35; chromosome 21q22.1; genetic analysis;
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                                                         Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Human chromosome 1p36-35 PCR primer SEQ ID NO:441.
                                                         ö
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                                                             Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Claim 4; Page 13; 528pp; Japanese.
100.0%; Pre
                                                                                                                                                                                                                                                                                                                                                                          ВЪ.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   10-MAR-2000; 2000JP-0066716.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  12-MAR-2001; 2001JP-0068285
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (RIKA ) RIKAGAKU KENKYUSHO. (GENO-) GENOTEX YG.
                                                                                                                                                                                                                                                                                                                                                                       ABL43397 standard; DNA; 20
                                                                                                                             6 AGAGCCCAACTCTT 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            11-APR-2002 (first entry)
                                                         14; Conservative
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Matches 12; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      9 GCCCAACTCTTC 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              GCCCAACTCTTC 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Arraying genome clones
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     genome, PCR primer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WPI; 2002-144136/19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          JP2001321190-A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  20-NOV-2001.
                                                                                                                                                                                                                                                                                                                                                                                                                                        ABL43397;
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                                                         Matches
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ABL43397

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AAZ23852

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This invention describes Secale cereale microsatellite markers based on hypervariable genomic segments of Secale cereale and plants of the tribes Triticeae and Poeae. The Microsatellite markers comprise a simple sequence repeat (SSR) marker as sequence tag site (STS), defined by two specific S. cereale defined primers, of mean length 18-26 bases and flanking the microsatellite sequence (MSS). Such markers are useful for genetic analysis of rye, triticale and other species of the tribes Triticeae and Poeae, e.g. for DNA fingerprinting; identification of varieties; detecting self or cross fertilization; studying similarity and realatedness; characterization of cytological lines, or generally any can relatedness; characterization of cytological lines, or generally any can marking of mono- or poly-genic traits, selection and evaluation of varietal purity or checking culture stages (particularly in hybrid culture methods), purity of propagative materials, success of culture methods), purity of propagative materials, success of culture methods), purity of propagative materials, success of hybrids. AAX36902-X36965 represent. PCR primers used in the method of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Intercellular adhesion molecule 6; ICAM-6; drug screening; therapy; intercellular adhesion; inflammatory process; PCR primer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Microsatellite markers derived from the genome of rye, useful for genetic mapping as markers of monogenic or polygenic traits
detection; cross fertilization; cytological line; gene mapping; monogenic trait; polygenic trait; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PCR primer used to amplify a fragment of ICAM-6 nucleic acid.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 12; DB 20; L
Pred. No. 9.6e+02;
                                                                                                                                                                                                                                                                                                                                         (GVSE-) GVS GES ERWERB & VERWERTUNG LANDWIRTSCHA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Seguence 21 BP; 4 A; 7 C; 4 G; 6 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    100.0%; Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Claim 6; Page 16; 28pp; German.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAX36173 standard; DNA; 24 BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             60.08;
                                                                                                                                                                                                                                                                                            97DE-1043671.
                                                                                                                                                                                                                                                98DE-1035109
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             15-JUL-1999 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    12; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                8 AGCCCAACTCTT 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 AGCCCAACTCTT 12
                                                                                                                                                                                                                                                                                                                                                                                                                                     WPI; 1999-245522/21.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Local Similarity
                                                                                                        Secale cereale.
                                                                                                                                                    DE19835109-A1
                                                                                                                                                                                                                                                                                               02-OCT-1997;
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                                                                                                                                                                                                 15-APR-1999.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Synthetic.
                                                                               Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
                                                                                                                                                                                                                                                                                                                                                                                          Saal B,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Matches
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AAX36173
            XBXBXBXBXBXBX
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            This invention describes novel microsatellite markers (MSM), based on the hypervariable genomic regions of rye (Secale cereale) and of plants from the tribes Triliceae and Poese. MSM, which are new genetic markers for rye and closely related species, are used for genetic analysis and in breeding programs. Typical applications are in DNA fingerprinting; identification of varieties; detection of self and cross pollination, characterization of cytoplasmic lines, and genetic mapping (of mono- or poly-genic traits). MSM show a higher degree of polymorphism than known markers (both within and between different rye varieties and lines); can
                                                                                                                                                                                                                                                Microsatellite marker; rye; hypervariable genomic region; Poeae;
Triticeae; breeding program; DNA fingerprinting; variety; detection;
self pollination; cross pollination; cytoplasmic line; genetic mapping;
polymorphism; PCR primer; se
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Microsatellite; marker; PCR primer; rye; plant; Triticeae; Poeae; simple sequence repeat; SSR; sequence tag site; STS; genetic analysis; DNA fingerprinting; variety identification; self fertilization;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              be detected by polymerase chain reaction, so that even very small samples may be analyzed, and generate many alleles per marker locus. AAZ23827-Z23886 represent the microsatellite marker PCR primers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 New microsatellite markers for rye and closely related grasses, used
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 .;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (GVSE-) GVS GES ERWERB & VERW LANDWIRTSCHAFTLICH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            S. cereale microsatellite marker PCR primer 26.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 21 BP; 4 A; 7 C; 4 G; 6 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Local Similarity 100.0%; Pred. No. 9.6 tes 12; Conservative 0; Mismatches
                                                                                                                                                                                                      Rye mircrosatellite marker 13 PCR primer 2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         described in the method of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        for genetic analysis and in breeding
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Claim 6; Page 27; 28pp; German.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAX36927 standard; DNA; 21 BP.
                                                             AAZ23852 standard; DNA; 21 BP.
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                                                                                                                                                         21-JAN-2000 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                8 AGCCCAACTCTT 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WPI; 1999-591715/51.
                                                                                                                                                                                                                                                                                                                                                                                               Secale cereale.
                                                                                                                                                                                                                                                                                                                                                                                                                                            DE19811506-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          17-MAR-1998;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       17-MAR-1998;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           21-OCT-1999
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                                                                                                                                                                                                                                                                                                                                                                       Synthetic
                                                                                                            AAZ23852;
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Matches
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Gaps

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RESULT 7 AAX36927

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Length 21; Indels

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Leach M;
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                                                                                                                                                                                          Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                               WO200140521-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Shimkets RA,
                                                                                                                                                                                                                                                                                                                                                                                                                             Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   07-JUN-2001.
                                                                                                                                                                                                                                                     28
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             therapy
                                                                                                                                                                                                             Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAI73060 to AAI79867 represent isolated human polymorphic polynucleotide sequences (I), which contain single nucleotide polymorphisms (SNPs). AAM53114 to AAM53329 represent peptides related to human polymorphic
                                                                                                                                                                                                                                                                         Gaps
                                                                                                                                              The specification describes an intercellular adhesion molecule (ICAM)-6 polypeptide. The ICAM-6 polypeptides and polymucleotides can be used for drug screening and developing products for therapy involving intercellular adhesion, e.g. in inflammatory processes. The products can also be used for detection, diagnosis and the production of transgenic animals. PCR primers AAX36170-73 were used
                                                                                                                                                                                                                                                                                                                                                                                                                                             Human, single nucleotide polymorphism; SNP; genome; gene therapy;
protein therapy; vaccine; probe; diagnostic assay; detection;
quantitation; restorative therapy; polymorphic; ds.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Polymorphic nucleic acid sequences, useful in genetic testing and
                                                                                                                                                                                                                                                                        ö
                                                                                                New isolated intercellular adhesion molecule-6 used for, e.g. diagnosis of inflammatory processes
                                                                                                                                                                                                                                                     Length 24;
                                                                                                                                                                                                                                                                        0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                           Human silent SNP containing nucleic acid SEQ:1488.
                                                                                                                                                                                                                                                   Query Match 60.0%; Score 12; DB 20; I
Best Local Similarity 100.0%; Pred. No. 9.7e+02;
Matches 12; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                Sequence 24 BP; 5 A; 5 C; 9 G; 5 T; 0 other;
                                                          Vazeau R;
                                                                                                                              Example 15; Page 53; 102pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Claim 1; Page 509; 2653pp; English.
                                                                                                                                                                                                            in the course of the invention.
                                                                                                                                                                                                                                                                                                                                                                 AAI74547 standard; DNA; 43 BP.
98WO-US22442.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   30-NOV-1999; 99US-0168138.
29-NOV-2000; 2000US-0726173.
                   97US-0955661
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                30-NOV-2000; 2000WO-US32758
                                                           Staunton DB,
                                                                                                                                                                                                                                                                                                                                                                                                       09-NOV-2001 (first entry)
                                                                                                                                                                                                                                                                                           2 TGACAGAGCCCA 13
                                                                                                                                                                                                                                                                                                               1 TGACAGAGCCCA 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Shimkets RA, Leach M;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (CURA-) CURAGEN CORP.
                                                                             WPI; 1999-288308/24.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WPI; 2001-356160/37.
                                       (ICOS-) ICOS CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         WO200140521-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Homo sapiens
22-OCT-1998;
                  22-OCT-1997;
                                                           Loughney K,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             07-JUN-2001
                                                                                                                                                                                                                                                                                                                                                                                    AAI74547;
                                                                                                                                                                                                                                                                                                                                             RESULT 9
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polynucleotide sequences. The sequences can be used in gene and protein therapy, and in vaccine production. (1) and the polypeptides encoded by them may be used in the prevention, diagnosis and treatment of diseases associated with inappropriate expression of polymorphic polypeptides. For example, (1) may be used to treat disorders by rectifying mutations or deletions in a patient's genome that affect the activity of polypeptides by expressing inactive proteins or to supplement the patients own production of polypeptide. Additionally, (1) and its complementary sequences may also be used as DNA probes in diagnostic assays to detect and quantitate the presence of similar nucleic acids in samples, and therefore which patients may be used as antigens in the therapy. The polypeptides encoded by (1) may be used as antigens in the antibodies may also be used as diagnostic polypeptides. The antibodies may also be used as diagnostic agents for detecting the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAI73060 to AAI79867 represent isolated human polymorphic polynucleotide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     sequences (I), which contain single nucleotide polymorphisms (SNPs).
AAM53134 to AAM53132 represent peptides related to human polymorphic polymucleotide sequences. The sequences can be used in gene and protein therapy, and in vaccine production. (I) and the polymorphides encoded by them may be used in the prevention, diagnosis and treatment of diseases associated with inappropriate expression of polymorphic polymeptides. For example, (I) may be used to treat disorders by rectifying mutations or deletions in a patient's genome that affect the activity of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Human; single nucleotide polymorphism; SNP; genome; gene therapy; protein therapy; vaccine; probe; diagnostic assay; detection; quantitation; restorative therapy; polymorphic; ds.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Polymorphic nucleic acid sequences, useful in genetic testing and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                60.0%; Score 12; DB 22; Length 43;
100.0%; Pred. No. 9.8e+02;
.ive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human silent SNP containing nucleic acid SEQ:1490.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 presence of polymorphic polypeptides in samples
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 43 BP; 10 A; 14 C; 6 G; 13 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Claim 1; Page 509; 2653pp; English.
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29-NOV-2000; 2000US-0726173.
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polypeptides by expressing inactive proteins or to supplement the patients own production of polypeptide. Additionally, (I) and its complementary sequences may also be used as DNA probes in diagnostic assays to detect and quantitate the presence of similar nucleic acids in samples, and therefore which patients may be in need of restorative therapy. The polypeptides encoded by (I) may be used as antigens in the production of antibodies specific for polymorphic polypeptides. The antibodies may also be used as diagnostic agents for detecting the
                                                                                                                                                                                                                                                            presence of polymorphic polypeptides in samples
           8×33333333335×8
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Sequence 46 BP; 10 A; 15 C; 6 G; 15 T; 0 other;

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Length 46;
                                        0; Indels
Query Match 60.0%; Score 12; DB 22; I
Best Local Similarity 100.0%; Pred. No. 9.8e+02;
Matches 12; Conservative 0; Mismatches 0;
                                                                                3 GACAGAGCCCAA 14
                                                                                                                    28 GACAGAGCCCAA 17
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RESULT 11

Construct pC2-m9#518 primer P-CC(4). AAA40237 standard; DNA; 50 02-NOV-2000 (first entry) AAA40237; AAA40237

BP.

Factor VIII, light chain; LRP; gene therapy; antihemophilic; blood; low density lipoprotein receptor-related protein; coagulation disorder; thrombotic system; fibrinolytic system; primer; ss.

Unidentified

WO200028021-A1

18-MAY-2000

99WO-AT00272 10-NOV-1999; 98AT-0001872 10-NOV-1998;

(BAXT) BAXTER AG.

Turecek P; Pannekoek H, Mertens K, Van Mourik JA, Scheiflinger F; WPI; 2000-376538/32 Lenting PJ, Schwarz H,

New modified form of factor VIII, useful for treating hemophilia, has altered binding to low density lipoprotein-related protein, resulting in extended in vivo half-life Example XI; Page 35; 57pp; German.

This invention describes a novel factor VIII polypeptide (I) with factor VIII: a activity which has a modification in at least one of the A3, C1 and/or C2 domains of the light chain that modifies binding affinity to low density lipoprotein receptor-related protein (LRP). Independent Calaims are also included for the following: (1) DNA (II) that encodes (I); (2) an expression vector containing (II); (3) transformed cells and their descendants containing (II); (4) recombinant production of (I) by culturing cells of (c); and (5) pharmaceutical composition containing a factor VIII molecule (Ia) with factor VIII: activity plus an LRP antagonist (III). The products of the invention have antihemophilic activity. (1) has reduced affinity for LRP, a receptor involved in activity. (1) has reduced affinity for LRP, a receptor involved in antagonist of LRP, is used for treatment of coagulation disorders, specifically hemophilia A. It may also be used to treat subjects with

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disorders of the thrombotic or fibrinolytic systems, e.g. before, during or after surgery. Nucleic acid that encodes (I) can be used similarly in gene therapy. The light chain modifications reduce clearance of factor VIII protein from the blood, resulting in longer in vivo half-life (particularly at least 90% greater than wild type) and increased stability, in vivo or in vitro. The modifications do not adversely affect procoagulant activity. The modifications do not used in the construction of the plasmid pC2-m%#518 which contains the Pactor VIII light chain C2 region which is described in the method of the
                                                                                                                                                                                                                                                                               invention.
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Sequence 50 BP; 11 A; 16 C; 15 G; 8 T; 0 other;

Gaps . 0 Length 50; 0; Indels 60.0%; Score 12; DB 21; L 100.0%; Pred. No. 9.8e+02; ive 0; Mismatches 0; Ouery Match
Best Local Similarity 100.
Matches 12; Conservative

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Gaps

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RESULT 12 ABF03254/c ID ABF033

ABF03254 standard; DNA; 13 BP. 21-FEB-2002 (first entry) ABF03254;

Oligonucleotide SEQ ID NO 103251 for detecting SNP TSC0025831.

SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS; peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss; central nervous system; gastrointestinal; respiratory; immune; metabolic.

Homo sapiens.

WO200177384-A2

18-OCT-2001

06-APR-2001; 2001WO-IB00713.

07-APR-2000; 2000DE-1019173.

(EPIG-) EPIGENOMICS AG

Berlin K; Olek A, Piepenbrock C,

WPI; 2001-657177/75.

Set of oligonucleotides, useful for diagnosis and cell typing, idesigned to detect single nucleotide polymorphisms and cytosine methylation status

Claim 1; SEQ ID 103251; 29pp + Sequence Listing; German.

This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligomucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010-ABC99989, ABF00010-ABF99899, ABH00010-ABH99989 and ABI00010-ABH82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published_pct_sequences.

Seguence 13 BP; 3 A; 1 C; 6 G; 3 T; 0 other;

Best Loc Matches

RESULT 13 ABF03255

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This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation.

ABC00010-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and
                                                                                                                                   SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS; peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss; central nervous system; gastrointestinal; respiratory; immune; metabolic.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Set of oligonucleotides, useful for diagnosis and cell typing, i designed to detect single nucleotide polymorphisms and cytosine methylation status
                                                                                         Oligonucleotide SEQ ID NO 233117 for detecting SNP TSC0000563.
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                                                                                                                                                                                                                                                                                                                                                                                                                     SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS; peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss; central nervous system; gastrointestinal; respiratory; immune; metabolic.
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WO200177384-A2

RESULT 14 ABH33140/c

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Best Loc Matches

18-OCT-2001.

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This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC0010-ABE09989, ABF0010-ABE99989 and ABI00010-ABE99989 and ABI00010-ABE9998 and ABI000010-ABE9998 and ABI000010-ABE9998 and ABI000010-ABE9998 and ABI000010-A
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Gaps ; 0 Query Match 55.0%; Score 11; DB 23; Length 13; Best Local Similarity 100.0%; Pred. No. 3.6e+03; Matches 11; Conservative 0; Mismatches 0; Indels Sequence 13 BP; 3 A; 6 C; 0.G; 4 T; 0 other;

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1M0134P22F Mouse 10kb plasmid UUGC1M library Mus musculus genomic clone UUGC1M0134P22 F, DNA sequence.
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AZ653181 1M0526B14
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BI549792 603194528
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Dunn, D., Aoyagi, A., Barber, M., Beacorn, T., Duval, B., Hamil, C., M., Rose, M., Rose, R., Stokes, R., Tingey, A., von Niederhausern, A. and Wright, D., Weiss, R.
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University of Utah
University of Utah
Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Mouse whole genome scaffolding with paired end reads from 10kb
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Fax: 801 585 7177
Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00
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                                                            BI765481
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plasmid inserts
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COMMENT
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AUTHORS
                                                                                                                                                                                                                                                                                                                                                                                                                                                   ACCESSION
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Copyright (c) 1993 - 2003 Compugen Ltd.
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Word size :

Searched:

Sequence:

Database :

yv73h10.r1

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Result

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Seg primer: CACACAGGAAACAGCTATGACC
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                                                                                                                                                                                                   21 bp DNA linear GSS 16-FEB-2001
2M0019F23R Mouse 10kb plasmid UUGC1M library Mus musculus genomic
Clone UUGC2M0019F23 R, DNA sequence.
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Dunn, D., Aoyagi, Barber, M., Beacorn, T., Duval, B., Hamil, C., Islam, H., Longacre, S., Mahmoud, M., Meenen, E., Pedersen, T., Reilly, M., Rose, M., Rose, R., Stokes, R., Tingey, A., von Niederhausern, A. and Wright, D., Weiss, R., Monde Genome scaffolding with paired end reads from 10kb plasmid inserts
                                                                                                                                                                                         'lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
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0
                                                                                                                                          /clone="UUGC1M0134P22"
/clone lib="Mouse 10kb plasmid UUGC1M library"
/sex="Wale"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          60.0%; Score 12; DB 17; Length 46; 100.0%; Pred. No. 3.6e+03; ive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Smail: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00
Plate: 0134 row: P column: 22
Seg primer: CGTTGTAAAACGACGGCCAGT
Class: plasmid ends
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Contact: Robert B. Weiss
University of Utah Genome Center
University of Utah
                                                                                               'organism="Mus musculus"
                                                                                                                             'db xref="taxon:10090"
                                                High quality sequence stop: 46.
                                                               Location/Qualifiers
                                                                                                               /strain="C57BL/6J
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Best Local Similarity 100.
Matches 12; Conservative
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Fax: 801 585 7177
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(http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polymucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptored DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pwd2 (gil 4732114 [gb] AR129072.1); a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptored mouse DNA was annealed to
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1M0156H13F Mouse 10kb plasmid UUGC1M library Mus musculus genomic clone UUGC1M0156H13 F, DNA sequence.
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Dunn, D., Aoyagi, A., Barber, M., Beacorn, T., Duval, B., Hamil, C., Islam, H., Longagren, S., Bamber, M., Menen, E., Pedersen, T., Railly, M., Rose, M., Rose, R., Stokes, R., Tingey, A., von Niederhausern, A. and Wright, D., Weise, R., Stokes, R., Tingey, A., von Niederhausern, A. Mouse whole genome scaffolding with paired end reads from 10kb plasmid inserts
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Adaptored vector DNA, and transformed into chemically-competent B. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."
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University of Utah Genome Center
University of Utah
Nm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC,
84112, USA
                                                                                                                                                                                                                                                                                                                                                            /lab host="E. Coli strain XLIO-Gold, Tl-resistant, F-" /note="Vector: PWD42nv; Purified genomic DNA from M. musculus CSDL/64 (male) was obtained from the Jackson Laboratory Mouse DNA Resource
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                                                                                                                                                                                                        /db_xref="taxon:10090"
/clone="UUGC2M0019F23"
/clone lib="Mouse 10kb plasmid UUGC1M library"
/sex="Male"
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Fax: 801 585 7177
Bazi: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00
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Class: plasmid ends
High quality sequence stop: 21.
Location/Qualifiers
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AZ393281.1 GI:10508353
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(http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polymucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptored DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gelectrophoresis. Vector DNA was prepared from a derivative of pMQ2 (gi|4732114|gb|AR129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptored mouse DNA was annealed to adaptored vector DNA, and transformed into chemically-competent E. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."
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                                                                                                                                                                                                                                                                                                                                                                                                                                                         /lab_host="E. Coli strain XLIO-Gold, Tl-resistant, F-"
/notes-"vector: PWD42Iv; Purified genomic DNA from M.
musculus C57BL/6J (male) was obtained from the Jackson
Laboratory Mouse DNA Resource
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Tissue Procurement: ATC
CDNA Library Preparation: Life Technologies, Inc.
CDNA Library Arrayed by: Incyte Genomics, Inc.
DNA Sequencing by: Incyte Genomics, Inc.
Clone distribution: MGC clone distribution information can be
found through the I.M.A.G.B. Consortium/LLNL at:
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National Institutes of Health, Mammalian Gene Collection (MGC)
Unpublished (1999)
Contact: Robert Strausberg, Ph.D.
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/db xref="taxon:10090"
/db xref="taxon:10000000"
/clone lib="Mouse lokb plasmid UUGCIM library"
/sex="Male"
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Plate: LLAM8425 row: a column: 22
   Plate: 0016 row: E column: 09
Seg primer: CGTTGTAAAACGACGCCAGT
Class: plasmid ends
High quality sequence stop: 24.
Location/Qualifiers

    .24
    /organism="Mus musculus"

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                                                                                                                                                                                                                                                                         /strain="C57BL/6J
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                                                                                                                                                                                                                                                                                                                                                                                                          /sex="Male" | Sex="Male" | Sex=
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Fax: 801 585 7177
Faul: ddunn@genetics.utah.edu
Insert Length: 10000 Std Brror: 0.00
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Plate: 0156 row: H column: 13
Seg primer: CGTTGTAAAACGACGCCAGT
Class: plasmid ends
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University of Utah Genome Center
University of Utah
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'clone="UUGC1M0156H13"
                                                                                                                     High quality sequence stop: 22.
                                                                                                                                                        Location/Qualifiers
                                                                                                                                                                                                                                                                         'strain="C57BL/6J"
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AZ331549
1M0059K02R Mouse 10kb plasmid UUGC1M library Mus musculus genomic clone UUGC1M0059K02 R, DNA sequence.
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Mammalia, Eutheria, Rodentia, Sciurognathi, Muridae, Murinae, Mus.
1 (bases 1 to 23)
                                                                                                                                                                                                                                                                                                                                                                                                      Dunn, D., Aoyagi, A., Barber, M., Beacorn, T., Duval, B., Hamil, C., Islam, H., Longacre, S., Mahmoud, M., Meenen, E., Pedersen, T., Reilly, M., Rose, M., Rose, R., Stokes, R., Tingey, A., von Niederhausern, A. and Wright, D., Weiss, R. Mouse whole genome scaffolding with paired end reads from 10kb plasmid inserts
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/db xref="taxon:10090"
/clone="UUGCIMO59KD2"
/clone lib="Mouse lOkb plasmid UUGCIM library"
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Seg primer: CACACAGGAAACAGCTATGACC
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Contact: Robert B. Weiss
University of Utah Genome Center
University of Utah
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Location/Qualifiers
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Fax: 801 585 7177
Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Erx
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Email: cgapbs-remail.nih.gov
Tissue Procurement: Christopher Moskaluk, M.D., Ph.D., Michael R.
Tissue Procurement: Christopher Moskaluk, M.D., Ph.D., Ph.D., Dh.D., Ph.D., CDNA Library Preparation: Life Technologies, Inc.
CDNA Library Arrayed by: Greg Lennon, Ph.D.
DNA Sequencing by: Washington University Genome Sequencing Center
Clone distribution: NCI-CGAP clone distribution information can be
found through the I.M.A.G.E. Consortium/LLNL at:
www-bio.llnl.gov/bbrp/image/image.html
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AI687266 22 bp mRNA linear EST 14-DEC-1999 tp94d10.x1 NCI CGAP Ut3 Homo sapiens cDNA clone IMAGE:2206963 3' similar to SW:DXS8 HUMAN P98175 DXS8237E PROTEIN ;contains element MER22 repetitive element ;, mRNA sequence.
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                     Homo sapiens

Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

1 (Dases 1 to 22)

NCI-CGAP http://www.ncbi.nlm.nih.gov/ncicgap.

National Cancer Institute, Cancer Genome Anatomy Project (CGAP),
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/organism="Homo sapiens"

/organism=taxon:9506"

/clone="IMAGE:2206963"

/clone lib="NOI CGAP Ut3"

/tissue_type="poorly-differentiated endometrial

democarcinoma, 2 pooled tumors"

/lab_host="DH10B"
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                                                                                                                                                                                                                                                                           Length 47;
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1 Similarity 100.0%; Pred. No. 1.4e+04;
11; Conservative 0; Mismatches 0;
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        organism="Homo sapiens"
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//note="Netcot: PMAZIV; Purified genomic DNA from M. musculus C57BL/6J (male) was obtained from the Jackson Laboratory Mouse DNA Resource (http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polymucleotide kinase. Adaptor oligomucleotides were ligated to the blunt ends in high molar excess. The adaptored DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarces gel electrophoresis. Vector DNA was prepared from a derivative of pWD42 (gi|4732114|gb|AR129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the innest adaptors and purified. The sheared, adaptored mouse DNA was annealed to adaptored vector DNA, and transformed into chemically-complement E. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."
/gex="Wale"
/lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
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(http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with 74 DNA polymerase and 74 polymuclectide kinase. Adaptor oligonuclectides were ligated to the blunt ends in high molar excess. The adaptored DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pWD42 (gi|q19214|qb|APL29072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptored mouse DNA was annealed to adaptored vector DNA, and transformed into
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Mammalia; Butheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
1 (bases 1 to 28)
                                                                                                                                                                                                AZ939438 16-APR-200 2M0198121F Mouse 10kb plasmid UUGC2M library Mus musculus genomic clone UUGC2M0198121 F, DNA sequence.
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Mouse whole genome scaffolding with paired end reads from 10kb plasmid inserts
Unpublished (2000)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            /db_xref="taxon:10090"
/clone="UUGC2M0198121"
/clone lib="Mouse 10kb plasmid UUGC2M library"
/sex="Female"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      50.0%; Score 10; DB 17; Length 28; ilarity 100.0%; Pred. No. 4.6e+04; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Exror: 0.00
Plate: 0198 row: I column: 21
Seg primer: CGTTGTAAAACGACGGCCAGT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   /organism="Mus musculus"
/strain="C57BL/6J"
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University of Utah Genome Center
University of Utah
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Location/Qualifiers
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Fax: 801 585 7177
  4 ACAGAGCCCA 13
                                      10 ACAGAGCCCA 1
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AZ939438/c
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                                                                                                                                                                                                                                                        EST 30-APR-1999
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Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
1 (bases I to 25)
Marra,M., Hillier,L., Kucaba,T., Martin,J., Beck,C., Wylie,T.,
Marra,M., Hillier,L., Theising,B., Allen,M., Bowers,Y., Person,B., Swaller,T., Gibbons,M., Pape,D., Harvey,N., Schurk,R., Ritter,K., Kohn,S., Shin,T., Jackson,Y., Cardenas,M., McCann,R.,
Materaton,R. and Wilson,R.
Unpublished (1999)
  ö
                                                                                                                                                                                                                     25 bp mRNA linear BST 30-APR-19
uk38f04.x1 Sugano mouse kidney mkia Mus musculus cDNA clone
IMAGE:1971295 3' similar to SW:WS3_HUMAN 000399 WS-3 PROTEIN. ;,
A1647975
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        This clone was previously sequenced on the 5' end only, this new data is from the 3' end
Trace considered overall poor quality
Possible reversed clone: similarity on wrong strand
Seq primer: custom primer used
High quality sequence stop: 1.

Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           This clone is available royalty-free through LLNL , contact the IMAGE Consortium (Info@image.llnl.gov) for further information.
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  Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Contact: Marra M/WashU-NCI Mouse EST Project 1999
Washington University School of Medicine
4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108, USA
Tel: 314 286 1800
Exa: 314 286 1810
Email: mouseest@watson.wustl.edu
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  Indels
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/eax="femala"
/dev stage="adult"
/lab_host="DH10B"
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0; Mismatches
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clone="IMAGE:1971295"
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10; Conservative
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                                                        11 CCAACTCTTC
                                                                                                                                                                                                                                                                                                                                                                                                                                                         house mouse.
Mus musculus
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A1647975/c
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ACCESSION VERSION KEYWORDS SOURCE ORGANISM

REFERENCE AUTHORS

JOURNAL

COMMENT

TITLE

LOCUS DEFINITION

AZ412468/C

RESULT 10

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(http://www.jax.org/resources/documents/dhares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end repaired with T4 DNA polymerase and T4 polymucleotide kinase. Adaptor oligomucleotides were ligated to the blunt ends in high molar excess. The adaptored DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pWD42 (gi|4732114|gb|AR129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptored mouse DNA was annealed to adaptored vector DNA, and transformed into
                                                                                                                                                                                                                 AZ310102 30 bp DNA linear GSS 29-SEP-2000 1M0018D24R Mouse 10kb plasmid UUGCIM library Mus musculus genomic clone UUGCIM0018D24 R, DNA sequence.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus. 1 (bases 1 to 30)
Dunn, Aoyagi, A., Barber, M., Beacorn, T., Duval, B., Hamil, C., Islam, H., Longaore, S., Mahmoud, M., Meenen, E., Pedersen, T., Reilly, M., Rose, M., Rose, R., Stokes, R., Tingey, A., von Niederhausern, A. Mouse whole genome scaffolding with paired end reads from 10kb plasmid inserts
Unpublished (2000)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  /lab_host="E. Coli strain XLIO-Gold, Tl-resistant, F-"
/note="Vector: PWD42IV; Purified genomic DNA from M.
musculus C57BL/6J (male) was obtained from the Jackson
Laboratory Mouse DNA Resource
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   /organism="Mus musculus"
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/clone="UUGC1M0018D24"
/sex="Male"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match 50.0%; Score 10; DB 17; Length 30; Best Local Similarity 100.0%; Pred. No. 4.7e+04; Matches 10; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Tel: 801 585 5606
Fax: 801 585 7177
Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00
Plate: 0018 row: D column: 24
Seg primer: CACACAGGAACAGCTATGACC
Class: plasmid ends
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Contact: Robert B. Weiss
University of Utah Genome Center
University of Utah
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Location/Qualifiers
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8 AGCCCAACTC 17
                                    15 AGCCCAACTC
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AZ310102/c
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/lab host="Vector: PWD42nv; Purified genomic DNA from M.
musculus C57BL/6J (male) was obtained from the Jackson
Laboratory Mouse DNA Resource
(http://www.jax.org/resources/documents/dnares/). The DNA
was hydrodynamically sheared by repeated passage through a
0.05 inch orifice at constant velocity. The sheared DNA
was blunt end-repaired with T4 DNA polymerase and T4
polymucleotide kinase. Adaptor oligonucleotides were
ligated to the blunt ends in high molar excess. The
adaptored DNA was purified and size-selected for a 9.5 to
10.5 kb range using preparative agarose gel
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Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mus musculus
Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia; Eutheria, Rodentia, Sciurognathi, Muridae, Murinae, Mus.

1 (bases 1 to 29)
S Dunn, D., Aoyagi, A., Barber, M., Beacorn, T., Duval, B., Hamil, C.,
Islam, H., Longacre, S., Mahmoud, M., Meenen, E., Pedersen, T., Reilly,
M., Rose, M., Rose, R., Stokes, R., Tingey, A., von Niederhausern, A.
and Wright, D., Weiss, R.
Mouse whole genome scaffolding with paired end reads from 10kb
plasmid inserts
Unpublished (2000)
Contact: Robert B. Weiss
University of Utah
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/db_prof="taxxon:10090"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    organism="Mus musculus"
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Location/Qualifiers
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Fax: 801 585 7177
                                       25 GAGCCCAACT 16
   7 GAGCCCAACT 16
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84112, US
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BASE COUNT ORIGIN

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/organism="nowcorrections" / organism="nowcorrections" / db xref="taxon:9666" / clone="IMAGE:458966" / clone=lib="NIHAGE:4589696" / clone=lib="NIH MGC_14" / tissue_type="renal_cell adenocarcinoma" / lab host="NIHOB (phage-resistant)" / note="organ: kidney; Vector: poTB7; Site_1: Xho1; Site_2: EcoR1; cDNA made by oligo-dT priming. Directionally cloned into EcoR1/Xho1 sites using the following 5' adaptor: GGCACGAG(G). Size-selected >500bp for average insert size 1.8kb. Library constructed by Ling Hong in the laboratory of Gerald M. Rubin (University of California, Berkeley) using ZAP-cDNA synthesis kit (Stratagene) and Superscript II RT (Life Technologies)."
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            BI765481 37 bp mRNA linear EST 25-SEP-2001
NIH-MGC http://mgc.nci.nih.gov/.

National Institutes of Health, Mammalian Gene Collection (MGC)
Unpublished (1999)

Contact: Robert Strausberg, Ph.D.
Email: cgapbs-r@mail.nih.gov
Tissue Procurement: DCTD/DTP,
CONA Library Preparation: Ling Hong/Rubin Laboratory
CDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
DNA Sequencing by: Incyte Genomics, Inc.
Clone distribution: MGC clone distribution information can be found through the I.M.A.G.E. Consortium/LLNL at:
http://image.llnl.gov
Plate: LLCM1318 row: h column: 01
High quality sequence stop: 37.
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
I, Chases 1 to 37)
NIH-MGC http://mgc.nci.nih.gov/.
National Institutes of Health, Mammalian Gene Collection (MGC)
Unpublished (1999)
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Email: cgapbs-r@mail.nih.gov
Tissue Procurement: Life Technologies, Inc.
cDNA Library Preparation: Life Technologies, Inc.
cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
DNA Sequencing by: Incyte Genomics, Inc.
clone distribution: MGC clone distribution information can be found through the I.M.A.G.E. Consortium/LLNL at:
http://image.llnl.gov
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100.0%; Pred. No. 5e+04;
iive 0; Mismatches 0; Indels
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/organism="Homo sapiens"
/db_xref="taxon:9606"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Tumor Gene Index
Unpublished (1997)
Contact: Nobert Strausberg, Ph.D.
Email: cgapbs-remail.nih.gov
Life Technologies catalog #: 11548-013
DNA Sequencing by: Washington University Genome Sequencing Center
Clone distribution: NCI-CGAP clone distribution information can be
found through the I.M.A.G.B. Consortium/LINI at:
www-bio.llnl.gov/bbrp/image/image.html
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/ Organism="Homo sapiens"
/ db xref="taxon:9606"
/ clone="IMAGE:2223891"
/ clone="IMAGE:2223891"
/ tissue type="adenocarcinoma"
/ lab_host="DH10B"
/ note="Organ: pancreas, Vector: pCMV-SPORT6; Site 1: Sall; Site 2: Not!; Cloned unidirectionally.

Average insert size 1.72 kb. Life Technologies catalog #:
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602449304F1 NIH_MGC_14 Homo Bapiens cDNA clone IMAGE:4597696 5',
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
1 (bases 1 to 37)
NCI-CGAP http://www.ncbi.nlm.nih.gov/ncicgap.
National Cancer Institute, Cancer Genome Anatomy Project (CGAP),
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Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
1 (Dases 1 to 37)
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/idd.ingle="Draws" / idd.ingle="Draws" / idd.i
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(tissue_type="whole embryo"

(dav_atege="stage 25"

/note="Vector: pBSRN3; Site_1: NotI; Site_2: EcoRI; cDNAs

/note="Vector: pBSRN3; Site_1: NotI; Site_2: EcoRI; cDNAs

were oligo-dT primed and directionally cloned. Staging

according to Nieuwkcop and Faber. Library is subtracted
and was constructed by N. Garrett and A.M. Zorn,

(Wellcome/CRC Institute). "

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1 (bases 1 to 37)

Kitayama, A., Terasaka, C., Mochii, M., Ueno, N., Shin-i, T. and Kohara
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(organism="Xenopus laevis"

(db_xref="texon:8355"

(clone="XL077114"

/clone=lib="NIBB Mochii normalized Xenopus tailbud
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50.0%; Score 10; DB 13; Length 37;
Best Local Similarity 100.0%; Pred. No. 5e+04;
Matches 10; Conservative 0; Mismatches 0; Indels
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Conteat: Tadasu Shin-i
Conteat: Tadasu Shin-i
Center For Genetic Resource Information
National Institute of Genetics
1111 Yata, Mishima, Shizuoka 411-8540, Japan
Fax: 81-559-81-6855
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match 50.0%; Score 10; DB Best Local Similarity 100.0%; Pred. No. 5e+ Matches 10; Conservative 0; Mismatches
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                                      /clone_lib="NIH_MGC_116"
/lab_host="DH10B"
clone="IMAGE:5190683"
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Location/Qualifiers
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Search completed: June 23, 2003, 10:10:21 Job time : 1033.31 secs

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Sequence Sequence

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APPLICANT: Kim, Nam Woo
APPLICANT: Wu, Fred
APPLICANT: Wu, Fred
APPLICANT: Kealey, James T.
APPLICANT: Pruzan, Rout L.
APPLICANT: Weinrich, Scott L.
TITLE OF INVENTION: Methods for Detecting the RNA Component of
TITLE OF INVENTION: Telomerase
TITLE OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:
ADDRESSEE: TOWNSEND and TOWNSEND and CREW LLP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  100.0%; Score 20; DB 2; Length 20; 100.0%; Pred. No. 0.057; tive 0; Mismatches 0; Indels
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MEDIUM TYPE: Floppy disk
COMPUTER: Ploppy disk
COMPUTER: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/770,565
FILING DATE: 20-DEC-1996
CURSIFICATION: 415
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SSEE: TOWNSEND and TOWNSEND and CREW LLP
T: Two Embarcadero Center, 8th Floor
San Francisco
California
Y: USA
US-08-487-426B-46
US-08-487-720A-46
US-09-073-5940-30
US-09-275-925-30
US-09-811-132-16
US-09-416-150-16
US-09-487-418-56
US-09-487-445-141
US-08-196-538-8
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US-08-105-141
US-08-105-141
US-08-105-141
US-08-105-141
US-08-105-141
US-09-142-956B-9
US-08-105-177A-155
US-08-138-579A-49
US-08-238-579A-49
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ATTORNEY AGENT INFORMATION:
NAME: Storella, John R.
REGISTATION NUMBER: 32,944
REERENCE/DOCKET NUMBER: 015389-002300US
TELECOMMUNICATION INPORMATION:
TELEPHONE: 415-576-0200
TELEPHONE: 415-576-0300
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                         Sequence 6, Application US/08770565
Patent No. 5846723
GENERAL INFORMATION:
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Matches 20, Conservative
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STRANDEDNESS: single
    007770080076644700
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US-08-770-565-6
  TOPOLOGY:
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Sequence 5, Appli
Sequence 23, Appl
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                                                                                          June.24, 2003, 22:17:30 ; Search time 30.3586 Seconds (without alignments) 202.036 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
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Sequence 168,
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                                                                                                                                                                                                                                                                                                                                                                                            Issued Patents NA:*

(cgn2_6/ptodata/2/ina/5A_COMB.seq:*
(cgn2_6/ptodata/2/ina/5B_COMB.seq:*
(cgn2_6/ptodata/2/ina/6A_COMB.seq:*
(cgn2_6/ptodata/2/ina/6B_COMB.seq:*
(cgn2_6/ptodata/2/ina/PcTUS_COMB.seq:*
(cgn2_6/ptodata/2/ina/PcTUS_COMB.seq:*
               5.1.6
Compugen Ltd.
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US-09-657-452A-168
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US-08-305-700-1
US-08-528-122-1
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US-08-475-228A-10
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          JS-08-484-557C-46
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                                                                                                                                                                                                                                              441362 segs, 153338381 residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SUMMARIES
              GenCore version
Copyright (c) 1993 - 2003
                                                                                                                                                                                                                                                                                                                                       Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
                                                                  nucleic search, using sw model
                                                                                                                                                                         1 CTGACAGAGCCCAACTCTTC 20
                                                                                                                                                                                                                    Gapop 10.0 , Gapext 1.0
                                                                                                                                           US-08-770-564A-6
20
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Match Length
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                                                                                                                                                                                                                                                                                                   seq length: 0
seq length: 50
                                                                                                                                                Title:
Perfect score:
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Maximum DB
                                                                  OM nucleic
                                                                                                                                                                             Sequence:
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                                                                                             Run on:
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No.
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Gaps

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APPLICANT: FUNK, Walter
APPLICANT: FUNK, Walter
TITLE OF INVENTION: Methods for Modulating and Identifying
TITLE OF INVENTION: Cellular Senescence
NUMBER OF SEQUENCES: 36
CORRESPONDENCE ADDRESS:
ADDRESSES: Geron Corporation
STREET: 230 Constitution Drive
CITY: Menlo Park
STATE: California
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      COUNTRY: USA
ZIP: 94025
ZIP: 94025
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
CURRENT APPLICATION NUMBER: US/08/974,180
FILING DATE: 19-N0V-1997
CLASSIFICATION: 435
ATTORNEY/AGENT INPORMATION:
NAME: KASTER, KEVIN R.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 DB 4;
                                                                                                                                                                             COMPUTER: IBM Compatible
COMPUTER: IBM Compatible
OPERATING SYSTEM: Windows95
SOCHEMARE: FastSEC for Windows Version 2.0
CURSCTWARE: FastSEC for Windows Version 2.0
CURSCTWARE: FastSEC for Windows Version 2.0
CURSCTWARE: FastSEC for Windows Version 2.0
FILING DATE: 07-CCT-1996
FILING DATE: 07-CCT-1996
APPLICATION NUMBER: 8/211892 JP
FILING DATE: 07-CCT-1996
APPLICATION NUMBER: 3/296476 JP
APLICATION NUMBER: 7/296476 JP
APLICATION NUMBER: 07-CCT-1996
APPLICATION NUMBER: 07-CCT-1995
ATTORNEY/AGENT INFORMATION:
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Best Local Similarity 93.8%; Pred. No. 63;
Matches 15; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NAME: Fraser, Ph.D., J.D., Janis K. REGISTRATION NUMBER: 34,819
REFERENCE/DOCKET NUMBER: 06501/01200
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US-08-974-180-33/c
; Sequence 33, Application US/08974180
; Patent No. 6025194
225 Franklin Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       MOLECULE TYPE: synthetic DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TELEPHONE: 617/542-6700
TELEFAX: 617/542-8906
TELER: 200154
INFORMATION FOR SEQ ID NO: 23
SEQUENCE CHARACTERISTICS:
LENGTH: 42 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              24 ACAGAGCCCAAATCTT
                                                                                                ZIP: 02110-2804
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
                                                                            USA
                                                      STATE: M2
COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US-09-051-363-23
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                                                                                                                                                                                                                                                               APPLICANT: Wall, Name NO.
APPLICANT: Wall, Name NO.
APPLICANT: Kealey, James T.
APPLICANT: Fuzan, Roald
APPLICANT: Pruzan, Roald
APPLICANT: Pruzan, Roald
APPLICANT: Pruzan, Roald
APPLICANT: Weinrich, Scott L.
TITLE OF INVENTION: Methods for Detecting the RNA Component of
TITLE OF INVENTION: Telomerase
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:
ADDRESSEE: TOWNSEND and TOWNSEND and CREW LLP
STREET: TWO Embarcadero Center, 8th Floor
CITY: San Prancisco
STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        100.0%; Score 20; DB 2; Length 30; 100.0%; Pred. No. 0.062;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SCHWARE: Patentin Release #1.0, Version #1.30 CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/770,565 FILING DATE: 20-DEC-1996 CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  GENERAL INFORMATION:
APPLICANT: Shibuya, Masabumi
APPLICANT: Shibuya, Masaji
APPLICANT: Okamoto, Masaji
APPLICANT: Maya, Mikio
APPLICANT: Matsumoto, Tomoe
APPLICANT: Asano, Makoto
APPLICANT: Segawa, Toshiaki
TITLE OF INVENTION: VEGF-BINDING POLYPEPTIDES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 015389-002300US
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0; Mismatches
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Patent No. 6270993
                                                                                                                                                         Sequence 5, Application US/08770565
Patent No. 5846723
GENERAL INFORMATION:
APPLICANT: Kim, Nam Woo
APPLICANT: Wu, Fred
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-D
                                1 CTGACAGAGCCCAACTCTTC 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TELEPHONE: 415-576-0200
TELEFAX: 415-576-0300
INFORMATION FOR SEQ ID NO: 5:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Ouery Match
Best Local Similarity 100.
Matches 20, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SEQUENCE CHARACTERISTICS
LENGTH: 30 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
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CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Ri
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              , MOLECULE TYPE: DNA
US-08-770-565-5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                -09-051-363-23/c
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US-09-657-452A-168

US-09-657-452A-168

Sequence 168, Application US/09657452A

Patent No. 6426188

GENERAL INFORMATION:
APPLICANT: Brett P. Monia
TITLE OF INVENTION ANTISENSE MODULATION OF PHOSPHORYLASE KINASE ALPHA 1 EXPRESSION
FILE REFERENCE: RTS-0125
CURRENT APPLICATION NUMBER: US/09/657,452A
CURRENT PILING DATE: 2000-09-07
NUMBER OF SEQ ID NOS: 178
SEQ ID NO 168
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; Sequence 130, Application US/09270542
; Parent No. 6322976
; GENERAL INFORMATION:
; APPLICANT: Aitman, Timothy
; APPLICANT: Scott, James
; APPLICANT: Stanton, Lawrence
; TITLE OF INVENTION: Compositions and Methods of Disease Diagnosis and .
TITLE OF INVENTION: Therapy
; FILE REPERENCE: 4198/7817
; CURRENT APPLICATION NUMBER: US/09/270,542
; CURRENT FILING DATE: 1999-03-17
; EARLIER APPLICATION NUMBER: 09/221,222
; EARLIER PILING DATE: 1999-12-23
; NUMBER OF SEQ ID NOS: 207
; SOFTWARE: PatentIn Ver. 2.0
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    Query Match 64.0%; Score 12.8; DB 4; Length 30; Best Local Similarity 87.5%; Pred. No. 4.1e+02; Matches 14; Conservative 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    63.0%; Score 12.6; DB 4; Length 20; 78.9%; Pred. No. 4.9e+02; ive 0; Mismatches 4; Indel8
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Pred. No. 5.5e+02;
0; Mismatches 4; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-09-657-452A-168
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78.9%;
                                                                                                  5 CAGAGCCCAACTCTTC 20
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ; ORGANISM: Rattus norvegicus US-09-270-542-130
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match 63.0
Best Local Similarity 78.9
Matches 15, Conservative
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Best Local Similarity 78.9
Matches 15; Conservative
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LENGTH: 35
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US-08-305-700-1
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APPLICANT: Suda, Takashi
APPLICANT: Suda, Takashi
APPLICANT: Takashi, Tamoniro
APPLICANT: Takashi, Tamoniro
APPLICANT: Takashi, Tamoniro
APPLICANT: Title OF INVENTION: A Fas Ligand, A Fragment Thereof and DNA
TITLE OF INVENTION: Encoding the Same
NUMBER OF SEQUENCES: 103
CORRESPONDENCE ADDRESS:
ADDRESSEE: Birch, Stewart, Kolasch & Birch
CITY: Falls Church
STREET: Virginia
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ö
                                                                                                                                                                                                                                                                                                                                                                                                                            Length 26;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0; Indels
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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/339,214
FILING DATE: 10-NOV-1994
CLLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Murphy Jr., Gerald M.
REFERENCZ/DOCKET NUMBER: 1110-139P
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECHOME: 703-205-8000
                                                                                                                                                                                                                                                                                                                                                                                                                          DB 3;
93;
                                                                                                                                                                                                                                                                                                        NAME/KEY: -
LOCATION: 1..26
OTHER INFORMATION: /note= "primer hTR S328"
                                                                                                                                                                                                                                                                                                                                                                                                                       70.0%; Score 14; DB 100.0%; Pred. No. 93; ive 0; Mismatches
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DESCRIPTION: /desc = "sense primer 19"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 100, Application US/08339214
Patent No. 6348334
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TELEFAX: 703-205-8050
INFORMATION FOR SEQ ID NO: 100:
SEQUENCE CHARACTERISTICS:
LENGTH: 30 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: not relevant
REGISTRATION NUMBER: 32,704
REFERENCE/DOCKET NUMBER: 206
TELECOMUNICATION INFORMATION:
TELEPHONE: (650) 473-8654
INFORMATION FOR SEQ ID NO: 33:
SEQUENCE CHARACTERISTICS:
LENGTH: 26 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity 100.0
Matches 14, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                14 CTGACAGAGCCCAA 1
                                                                                                                                                                                                                                     TOPOLOGY: linear
MOLECULE TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ; ANTI-SENSE:
US-08-339-214-100
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8 유 ; Sequence 1, Application US/08305700

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Score 12.6; DB 5;
Pred. No. 5.6e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0; Mismatches
                                                                        CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: PITCHER, EDMUND R.
REGISTRATION NUMBER: 27,829
REFERENCE/DOCKET NUMBER: FIP-001
TELEPHONE: 617-248-7100
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 41 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PCT-US95-11720-1; Sequence 1, Application PC/TUS9511720; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICAL...
FILING DATE:
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: PITCHER, EDMIND R.
REGISTRATION UNMBER: 27,829
REFERENCE/DOCKET NUMBER: FIP-'
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION:
TELECOMMUNICATION:
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78.9%;
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BOSTON
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Best Local Similarity 78.9
Matches 15; Conservative
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      LENGTH: 41 base pairs
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EDNESS: single
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 linear
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Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                              ; TOPOLOGY: li
; MOLECULE TYPE:
US-08-528-122-1
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ZIP: 02110
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            STREET:
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| Patent No. 5726044
| GENERAL INFORMATION:
| APPLICANT: SUDO, YUKIO
| APPLICANT: GILLIES, STEPHEN D. TITLE OF INVENTION:
| TITLE OF INVENTION: EXPRESSION AND EXPORT TECHNOLOGY OF TITLE OF INVENTION: EXPRESSION AND EXPORT TECHNOLOGY OF TITLE OF INVENTION: EXPRESSION AND EXPORT TECHNOLOGY OF TITLE OF INVENTION: AND PROPERSE: PROPERS: 20
| CORRESPONDENCE ADDRESS: ADDRESSE: THIBEAULT STRATOR, TESTA, HURWITZ & ADDRESSE: THIBEAULT STREET: ADDRESSE: THIBEAULT STREET: ADDRESSE: ADDRESSE: ADDRESSE: ADDRESSE: STREET: MA
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                               LITLE OF INVENTION: EXPRESSION AND EXPORT TECHNOLOGY OF SUPERIOR OF SEQUENCES: 15
CORRESPONDENCE ADDRESS: ADDRESSEE: PATENT ADMINISTRATOR, TESTA, HURWITZ & ADDRESSEE: PATENT ADMINISTRATOR, TESTA, HURWITZ & ADDRESSEE: PATENT ADMINISTRATOR, TESTA, HURWITZ & STREET: 53 STATE STREET
STREET: 53 STATE STREET
STATE: MA COUNTRY: USA
ZIP: 02100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match 63.0%; Score 12.6; DB 1; Length 41; Best Local Similarity 78.9%; Pred. No. 5.6e+02; Matches 15; Conservative 0; Mismatches 4; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                              SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/305,700
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICALCE
FILING DATE
CLASSIFICATION: 435
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: PITCHER, EDWUND R.
REGISTRATION NUMBER: 27,829
REFERENCE/DOCKET WUMBER: FIP-001
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617-248-7100
TELEFAK: 617-248-7100
                                                                                                                                                                                                                                                                                                                     ZIP: 02109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     2 TGACAGAGCCCAACTCTTC 20
                  GENERAL INFORMATION:
APPLICANT: LO, KIN-MING
APPLICANT: SUDO, YUKIO
APPLICANT: GILLIES, STEPHEN D.
TITLE OF INVENTION: EXPRESSION
TITLE OF INVENTION: PROTEINS A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ZIP: 02110
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compating
OPERATING SYSTEM: PC-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 MOLECULE TYPE: CDNA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COUNTRY: USI
Patent No. 5541087
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US-08-305-700-1
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Length 41;
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TITLE OF INVENTION: EXPRESSION AND EXPORT TECHNOLOGY OF TITLE OF INVENTION: PROTEINS AS INMUNOFUSINS NUMBER OF SEQUENCES: 20
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADDRESSEE: PATENT ADMINISTRATOR, TESTA, HURWITZ & ADDRESSEE: THIBEAULT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IEM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOPTWARE: Patentin Release #1.0, Version #1.25
CURRATI APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/11720
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/528,122
FILING DATE:
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Sequence 135, Application US/09166186A
Patent No. 6080580
GENERAL INFORMATION:
APPLICANT: Baker, Brenda
APPLICANT: Bahnett, C. Frank
APPLICANT: Bahnett, C. Frank
APPLICANT: Shanahan, William R.
TITLE OF INVENTION: ANTIENSE OLIGONUCLEOTIDE MODULATION OF TNF-a EXPRESSION
FILE REPERBNOE: 15PH-0322
CURRENT APPLICATION NUMBER: US/09/166,186A
CURRENT FILING DATE: 1998-10-05
NUMBER OF SEQ ID NOS: 250
SEQ ID NO 135
LENGTH: 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 115, Application US/09313932A

Sequence 115, Application US/09313932A

Batent No. 6228642

GENERAL INFORMATION:
APPLICANT: Baker, Erank
APPLICANT: Bennett, C. Frank
APPLICANT: Banett, Miliam R.
TITLE OF INVENTION: ANISENSE OLIGONUCLEOTIDE MODULATION OF TNF-
TITLE OF INVENTION: EXPRESSION
TITLE OF INVENTION: EXPRESSION
FILE REPERENCE: ISPH-0356
CURRENT FILING DATE: 1999-05-18

NUMBER OF SEQ ID NOS: 501

LENGTH: 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 20;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 12.4; DB 3;
Pred. No. 6.2e+02;
0; Mismatches 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match 62.0%; Score 12.4; DB 4; Best Local Similarity 92.9%; Pred. No. 6.2e+02; Matches 13; Conservative 0; Mismatches 1;
                                                                                                                                                                                                                                                                                                                                                                                  ) OTHER INFORMATION: antisense sequence US-09-166-186-135
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 74, Application US/09410903 Patent No. 6420113
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Gray, Jeff
Biosite Diagnostics
                                                                                                                                                                                                                                                                                                                    TYPE: DNA
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                  62.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: DNA
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        FEATURE:
CTHER INFORMATION: Synthetic
US-09-313-932-135
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         5 CAGAGCCCAACTCT 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 5 CAGAGCCCAACTCT 18
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             GENERAL INFORMATION: APPLICANT: Buechler, Joe
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Best Local Similarity
....hes 13; Conserve
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APPLICANT: BIOSILE DITLE OF INVENTION: 0FILE REPERENCE: 0149
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-09-313-932-135/c
    US-09-166-186-135/c
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US-09-410-903-74/C
                                                                                                                                                                                                                                                                                                                                                                   FEATURE:
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    Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ZIP: 20071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 Diskette, 1.44 Mb
MEDIUM TYPE: 3.5 Diskette, 1.44 Mb
MEDIUM TYPE: 3.5 Diskette, 1.44 Mb
MEDIUM TYPE: 6torage
COMPUTER: 1BM Compatible
COMPUTER: 1BM Compatible
OPERATING SYSTEM: 1BM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/311,486C
FILING DATE: September 23, 1994
CLASSIFICATION DATA:
PRIOR APPLICATION DATA:
PRIOR APPLICATION DATA: described below:
APPLICATION NUMBER: 08/008,895
FILING DATE: Jenuary 19, 1993
APPLICATION NUMBER: 07/989,849
FILING DATE: December 7, 1992
ATTORNEY/AGENT INFORMATION:
NAME: WARDINGY RICHARD J.
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 209/166
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
    4;
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  0; Mismatches
                                                                                                                                                                                                                                                                                                                                                       TITLE OF INVENTION: BISEASES OR CONDITION TITLE OF INVENTION: DISEASES OR CONDITION TITLE OF INVENTION: RELATED TO LEVELS OF TITLE OF INVENTION: THE-'S NUMBER OF SEQUENCES: 1157

CORRESPONDENCE ADDRESS:
                                                                                                                                           RESULT 11
US-08-311-486C-658
; Sequence 658, Application US/08311486C
; Patent No. 5811300
; Patent INFORMATION:
; APPLICANT: Sean Sullivan
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADDRESSEE: Lyon & Lyon STREET: 633 West Fifth Street STREET: Suite 4700 CITY: Los Angeles STATE: California COUNTRY: U.S.A.
                                          2 TGACAGAGCCCAACTCTTC 20
                                                                                  10 TAGGCGAGCCCAAATCTTC 28
                                                                                                                                                                                                                                                 T: Sean Sullivan
T: Kenneth Draper
T: Kevin Kisich
F: Dan T. Stinchcomb
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (213) 489-1600
(213) 955-0440
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     11; Conservative
15; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Best Local Similarity
Matches 11; Conserv
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TELEFAX: (2
TELEX: 67-3
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US-08-311-486C-658
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Matches
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Search completed: June 25, 2003, 00:24:37 Job time: 31.3586 secs
       TELEPHONE:
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Pred. No. 7.3e+02;
0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Edwards, Cynthia A.
APPLICANT: Edwards, Charles R.
APPLICANT: Andrews, Beth M.
APPLICANT: Turin, Lisa M.
APPLICANT: Turin, Lisa M.
APPLICANT: Fry, Kirk E.
TITLE OF INVENTION: Sequence-Directed DNA Binding
TITLE OF INVENTION: Molecules, Compositions and Methods
NUMBER OF SEQUENCES: 641
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genelabs Technologies, Inc.
                                                                                                                                                                                                                                                                                                                                                ; OTHER INFORMATION: oligonucleotide 3' PCR primer 876
US-09-410-903-74
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/171,389
CURRENT APPLICATION NUMBER: US/09/410,903
CURRENT FILING DATE: 1999-10-02
FRIOR APPLICATION NUMBER: US 08/832,985
PRIOR FILING DATE: 1997-04-04
PRIOR FILING DATE: 1997-04-04
PRIOR FILING DATE: 1997-04-04
PRIOR FILING DATE: 1998-04-03
NUMBER OF SEQ ID NOS: 100
SOFTWARE: PASESEQ for Windows Version 3.0
SEQ ID NO 74
LENGTH: 43
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               REGISTRATION NUMBER: 33,875
REFERENCE/DOCKET NUMBER: 4600-0175/G19P3
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/123,936
FILING DATE: 17-SEP-1993
PRIOR APPLICATION NUMBER: US 07/996,783
FILING DATE: 23-DEC-1992
PRIOR APPLICATION DATA:
APPLICATION DATA:
APPLICATION DATA:
APPLICATION DATA:
APPLICATION NUMBER: US 07/723,618
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           FILING DATE: 27-JUN-1991
PRIOR APPLICATION DATA:
APPLICATION NATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICATION NUMBER: US 08/081,070 FILING DATE: 22-UUN-1993 ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       IBM PC compatible
SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-08-171-389-10
; Sequence 10, Application US/08171389
; Patent No. 5578444
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 STREET: 505 Penobscot Drive
CITY: Redwood City
                                                                                                                                                                                                                                                                                   TYPE: DNA ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match 62.0%;
Best Local Similarity 92.9%;
Matches 13; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        32 CAGAGCCCAAATCT 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ZIP: 94063
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COMPUTER: IBM PC
OPERATING SYSTEM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          FILING DATE:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CITY:
STATE:
                                                                                                                                                                                                                                                                                                                                  FEATURE:
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0
                                                                                                                                                                                                                                                                               Length 45;
                                                                                                                                                                                                                                                                                                                1; Indels
                                                                                                                           TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ONIGINAL SOURCE:
INDIVIDUAL ISOLATE: Human gene fragment for the
INDIVIDUAL ISOLATE: acetylcholine receptor gamma
                                                                                                                                                                                                                                                                             Score 12.4; DB 1;
Pred. No. 7.3e+02;
                                                                                                                                                                                                                                                                                                                  0; Mismatches
(415) 324-0880
                                                                                                                                                                                                                                                                               62.0%;
92.9%;
                 TELEFAX: (415) 324-0960 INFORMATION FOR SEQ ID NO: 1 SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                         S CAGAGCCCAACTCT 18
                                                                                                                                                                                                                                                                                                                    13; Conservative
                                                                       45 base pairs
                                                                                          TYPE: nucleic acid
STRANDEDNESS: double
                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity
Matches 13; Conserv
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June 25, 2003, 13:28:54; Search time 60.7968 Seconds (without alignments) 482.732 Million cell updates/sec
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1: \cgn2 \( \) \cgn2 \( \) \cgn \( \)
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GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1042519 seqs, 733713590 residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
                                                                                                                                                                                                OM nucleic - nucleic search, using sw model
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Gapop 10.0 , Gapext 1.0
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20
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Title:
Perfect score:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Searched:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Database
                                                                                                                                                                                                                                                                                                             Run on:
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

		p				
Result No.	Score	Query Match	Query Match Length DB	88	ID	Description
-	14.4	72.0	19	. 6	US-10-093-958-22	Sequence 22, Appl
8	13.6	68.0	28	σ	US-10-151-320-25	Seguence 25. Appl
ю	13.6	68.0	28	σ	US-10-152-363A-48	Sequence 48, Appl
Ω 4	13.6	68.0	29	0	US-10-152-363A-41	Sequence 41, Appl
υ	13.6	68.0	29	σ	US-10-152-363A-42	Sequence 42, Appl
9 U	13.6	68.0	48	σ	US-10-152-363A-16	Sequence 16, Appl
7	13.4	67.0	21	σ	US-09-909-567B-23	Sequence 23, Appl
8 U	13.4	67.0	33	σ	US-10-006-591-8	Sequence 8, Appli
σ	13.4	67.0	35	σ	US-10-216-484-86	86
10	13.2	0.99	25	σ	US-10-098-263B-39849	
c 11	13.2	0.99	25	σ	US-10-098-263B-57306	Sequence 57306, A
12	13.2	99	28	σ	US-10-152-363A-46	
c 13	13.2	0.99	30	σ	US-10-152-363A-43	43,
14	13.2	99	31	σ	US-10-152-363A-44	Sequence 44, Appl
c 15	13.2	99	20	σ	US-09-874-503-31	Sequence 31, Appl
c 16	13.2	99	20	σ	US-10-000-157-31	Sequence 31, Appl
c 17	13.2	0.99	20	σ	US-09-747-259-31	Sequence 31, Appl
c 18	13.2	0.99	20	0	US-09-908-827-31	31,
19	12.8	64.0	25	σ	US-10-098-263B-2034	2034

RESULT 2
US-10-151-320-25
US-10-151-320-25
Sequence 25, Application US/10151320
Publication No. US20030092114A1
GENERAL INFORMATION:
APPLICANT: Luche, Ralf M.
APPLICANT: Wei, Self M.
TITLE OF INTORNION: DSP-18 DUAL-SPECIFICITY PHOSPHATASE; FILE REFERENCE: 200125.436

12 8 64 0 36	6 64.0 36 10 US-09-375-924C-9 Sequence 9, 6 63.0 36 9 US-10-218-547-53 Sequence 53, 6 63.0 36 9 US-10-218-547-53 Sequence 53, 6 63.0 49 9 US-10-218-547-55 Sequence 135, 6 63.0 49 9 US-09-086-009-4 Sequence 135, 9 US-09-288-971-6 Sequence 135, 9 US-09-288-971-10 Sequence 135, 9 US-09-288-971-10 Sequence 135, 9 US-09-288-971-10 Sequence 136, 14 62.0 31 US-09-380-123-1239 Sequence 137, 15 US-09-390-423-1249 Sequence 137, 15 US-09-390-423-1249 Sequence 137, 15 US-09-390-423-1249 Sequence 137, 16 US-09-390-423-1249 Sequence 141, 17 9 US-09-391-389-304 Sequence 141, 17 9 US-09-391-391-391-391-391-391-391-391-391-39	ALIGNMENTS 1 193-958-22 192-22 192-22 192-22 192-22 192-22 192-22 193-25-22 193-358 1	/ Match Local S nes 15	5 CAGAGCCCAACTCTTC 20
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Pred. No. 1.5e+03;
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                                                                                             4; Indels
                                                                                                                                                                                                                                                                                                                       APPLICANT: Rixon, Mark W.
APPLICANT: Gross, Jane A.
TITLE OF INVENTION: TACI-Immunoglobulin Fusion Proteins FILE REFERENCE: 01-20
CURRENT APPLICATION NUMBER: US/10/152,363A
CURRENT FILING DATE: 2002-05-20
PRIOR APPLICATION NUMBER: 60/293,343
PRIOR FILING DATE: 2001-05-24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: Gross, Jane A.

TITLE OF INVENTION: TACI-Immunoglobulin Fusion Proteins
FILE REFERENCE: 01-20
CURRENT APPLICATION NUMBER: US/10/152,363A
CURRENT FILING DATE: 2002-05-20
PRIOR APPLICATION NUMBER: 60/293,343
PRIOR FILING DATE: 2001-05-24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity 80.0%; Pred. No. 1.4e+03;
Matches 16; Conservative 0; Mismatches 4;
                                                   Score 13.6; DB 9;
Pred. No. 1.5e+03;
0; Mismatches 4;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NUMBER OF SEQ ID NOS: 70
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NUMBER OF SEQ ID NOS: 70
SOFTWARE: FastSEQ for Windows Version 3.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RESULT 6
US-10-152-363A-16/c
US-10-152-363A-16/c
Sequence 16, Application US/10152363A
Publication No. US20030103986A1
GENERAL INFORMATION:
APPLICANT: Rixon, Mark W.
                                                                                                                                                                                                                                                   US-10-152-363A-42
; Sequence 42, Application US/10152363A
; Publication No. US20030103986A1
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1 CTGACAGAGCCCAACTCTTC 20
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                                                                                                                                   1 CTGACAGACCCAACTCTTC 20
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; OTHER INFORMATION: PCR primer.
US-10-152-363A-16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   OTHER INFORMATION: PCR primer.
US-10-152-363A-42
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Best Local Similarity 80.0%;
Matches 16; Conservative (
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ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: DNA ORGANISM: Artificial Sequence
OTHER INFORMATION: PCR primer
                                                       Query Match
Best Local Similarity 80.0%;
Matches 16; Conservative
         US-10-152-363A-41
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SEQ ID NO 42
LENGTH: 29
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Local Similarity 80.0%; Pred. No. 1.5e+03;
hes 16; Conservative 0; Mismatches 4: Indels
                                                                                                                                                                                                                                   Length 28
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: Rixon, Mark W.
APPLICANT: Gross, Jane A.
TITLE OF INVENTION: TACI-Immunoglobulin Fusion Proteins
FILE REFERENCE: 01-20
CURRENT APPLICATION NUMBER: US/10/152,363A
CURRENT FILING DATE: 2002-05-20
PRIOR PRILOR IDATE: 2001-05-24
NUMBER OF SEQ ID NOS: 70
SOFTWARE: FastSEQ for Windows Version 3.0
                                                                                                                                                                           ; OTHER INFORMATION: Oligonucleotide primer used for PCR. US-10-151-320-25
                                                                                                                                                                                                                               Score 13.6; DB 9;
Pred. No. 1.5e+03;
0; Mismatches 4;
CURRENT APPLICATION NUMBER: US/10/151,320 CURRENT FILING DATE: 2002-05-16 NUMBER OF SEQ ID NOS: 42 SEQTYARRE: FastSEQ for Windows Version 4.0 SEQ ID NO 25 LENGTH: 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 41, Application US/10152363A Publication No. US20030103986A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 CTGACAGAGCCCAACTCTTC 20
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               , OTHER INFORMATION: PCR primer. US-10-152-363A-48
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: DNA ORGANISM: Artificial Sequence
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                                                                                                                                         ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                 Query Match
Best Local Similarity 80.0%;
Matches 16; Conservative
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LENGTH: 29
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                                                                                                                     TYPE: DNA
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ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: PCR primer to
OTHER INFORMATION: amplify a fragment of the DNA encoding the
OTHER INFORMATION: constant region of human immunoglobulin G1 heavy
OTHER INFORMATION: chain
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Publication No. US20030104410A1
GENERAL INFORMATION:
HUMAN Michael
TITLE OF INVERTION: Human Microarray
FILE PEFRENCE: 3118.1
FILE PEFRENCE: 3118.1
CURRENT APPLICATION NUMBER: US/10/098,263B
CURRENT PILING DATE: 2003-01-08
FRIOR FILING DATE: 2001-03-16
NUMBER OF SEQ ID NOS: 131066
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
LENGTH: 25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            67.0%; Score 13.4; DB 9; Length 35; 93.3%; Pred. No. 1.8e+03;
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                                                                             APPLICANT: BARATAL INCOMPATION:
APPLICANT: Haruyama, Hideyuki
APPLICANT: Nakahara, Kaori
APPLICANT: Tamaki, Ikuko
APPLICANT: Tamaki, Ikuko
APPLICANT: Takahashi, Tohru
TITLE OF INVENTION: Anti-Fas Antibodies
FILE REFERENCE: 980126CIP/HG
CURRENT APPLICATION NUMBER: US/10/216,484
CURRENT APPLICATION NUMBER: US/99/499,662
PRIOR PRILING DATE: 2000-02-09
PRIOR FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 86
LENGTH: 35
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0; Mismatches
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; Publication No. US20030104410A1
; GENERAL INFORMATION:
APPLICANT: Mittman, Michael
                  Sequence 86, Application US/10216484
Publication No. US20030103976A1
GENERAL INFORMATION:
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Best Local Similarity 93.3*
Matches 14; Conservative
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US-10-098-263B-39849
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Best Local Similarity
.....hes 15; Conserve
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    US-10-216-484-86
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APPLICANT: Bowdish, Katherine S.
APPLICANT: Lin, Ying-Chi
APPLICANT: Lin, Ying-Chi
APPLICANT: Lin, Ying-Chi
APPLICANT: Wild, Martha
APPLICANT: Wild, Martha
APPLICANT: Wild, Martha
TITLE OF INVENTION: ENGINEERED PLASMIDS AND THEIR USE FOR IN SITU PRODUCTION OF GENES
CURRENT APPLICATION NUMBER: US/10/006,591
CURRENT APPLICATION NUMBER: 00/251,440
PRIOR FILING DATE: 2000-12-05
PRIOR APPLICATION NUMBER: 60/251,440
SOUTH APPLICATION NUMBER: 01-205
NUMBER OF SEQ ID NOS: 14-12-05
SEQ ID NO 8
LENGTHARE: Patentin version 3.1
LENGTH: 33
                                                                                                                                     GENERAL INFORMATION:
APPLICANT: Macina, Roberto A.
APPLICANT: Macina, Roberto A.
APPLICANT: Mair, Manoj
APPLICANT: Chen, Seiyu
ITLLE OF INVENTION: Compositions and Methods Relating to Lung Specific Genes
FILE REPERENCE: DEX-0214
CURRENT PILING DATE: 2001-07-20
PRIOR APPLICATION NUMBER: 60/219,834
PRIOR PILING DATE: 2000-07-21
NUMBER: OF SEQ ID NOS: 56
SOFTWARE: Patentin version 3.1
SEQ ID NO 23
LENGTH: 21
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ch 67.0%; Score 13.4; DB 9; Length 33; 1 Similarity 93.3%; Pred. No. 1.8e+03; 14; Conservative 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 13.4; DB 9; Length 21; Pred. No. 1.9e+03;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0; Mismatches
                                                                               US-09-909-567B-23
; Sequence 23, Application US/09909567B
; Publication No. US20030022257A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 8, Application US/10006591 Publication No. US20030049731A1
39 CTGAAGGAGCCCAGATCTTC 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               67.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: DNA ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: DNA ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ; OTHER INFORMATION: Synthetic US-09-909-5678-23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        5 CAGAGCCCAACTCTT 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                5 CAGAGCCCAACTCTT 19
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Best Local Similarity 93.3
Matches 14, Conservative
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Matches 14; Conserv
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) OTHER INFORMATION: PCR primer US-10-152-363A-43
 ORGANISM: Artificial Sequence FEATURE:
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APPLICANT:
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Pred. No. 2.3e+03;
0; Mismatches 3; Indels
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TITLE OF INVENTION: Human Microarray
FILE REFERENCE: 3118.1
CURRENT APPLICATION NUMBER: US/10/098,263B
CURRENT FILING DATE: 2003-01-08
PRIOR APPLICATION NUMBER: 60/276,759
PRIOR PLING DATE: 2001-03-16
NUMBER OF. SEQ ID NOS: 131066
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 57306
LENGTH: 25
                                                                                                                                                                                                                                                                                                                                                                                                Sequence 43, Application US/10152363A

Publication No. US20030103986A1

GENERAL INFORMATION:
APPLICANT Gross, Mark W.
TITLE OF INVENTION: TACI-Immunoglobulin Fusion Proteins
FILE REFERENCE: 01-0.
CURRENT APPLICATION NUMBER: US/10/152,363A

CURRENT FILING DATE: 2002-05-20

PRIOR FILING DATE: 2001-05-24

NUMBER OF SEQ ID NOS: 70

SOFTWARE: FastSEQ for Windows Version 3.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Indels
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                                                                                                                                                                                                                               Query Match
Best Local Similarity 83.3%;
Matches 15; Conservative
                                                                                                                                                                    ; TYPE: DNA
; ORGANISM: Homo sapien
US-10-098-263B-57306
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US-10-152-363A-43/c
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LENGTH: 30
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APPLICANT: Yansura, Daniel TITLE OF INVENTION: IL-17 HOWOLOGOUS POLYPEPTIDES AND THERAPEUTIC USES THEREOF FILE REPERENCE: P138 HIGHS (US)
CURRENT APPLICATION NUMBER: US/09/874,503
CURRENT FILING DATE: 2001-06-05
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APPLICANT: Rixon, Mark W.
TITLE OF INVENTION: TACL-Immunoglobulin Fusion Proteins
FILE REPERRENCE: 01-20
CURRENT APPLICATION NUMBER: US/10/152,363A
CURRENT APPLICATION NUMBER: 60/293,343
PRIOR PILING DATE: 2001-05-24
NUMBER OF SEQ ID NOS: 70
SSPTWARE: FastSEQ for Windows Version 3.0
SSQ ID NO 44
LENGTH: 31
                                           Indels
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Pred. No. 2.3e+03;
0; Mismatches 3;
Score 13.2; DB 9;
Pred. No. 2.3e+03;
0; Mismatches 3;
                                                                                                                                                                                                                                         Sequence 44, Application US/10152363A Publication No. US20030103986A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 31, Application US/09874503
Patent No. US20020177188A1
GENERAL INFORMATION:
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Gurney,Austin L.
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                                                                                           3 GACAGAGCCCAACTCTTC 20
                                                                                                                                19 GAACGAGCCCAAATCTTC 2
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US-10-152-363A-44
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: DNA
ORGANISM: Artificial Sequence
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Best Local Similarity 83.3%;
Matches 15; Conservative
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Williams, P.Mickey
  Query Match 66.0%;
Best Local Similarity 83.3%;
Matches 15; Conservative
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Hymowitz, Sarah G.
Tumas, Daniel
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APPLICANT: Filvaroff, Ellen
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Vandlen, Richard
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us-08-770-564a-6.rnpb

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FILING DATE: 2001-02-28
APPLICATION NUMBER: US PCT/US00/34956
FILING DATE: 2000-12-20
APPLICATION NUMBER: US PCT/US00/32678
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APPLICATION NUMBER: US PCT/US00/05841
FILING DATE: 2000-03-02
APPLICATION NUMBER: US PCT/US00/05601
FILING DATE: 2000-03-01
APPLICATION NUMBER: US PCT/US00/04341
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PRIOR APPLICATION NUMBER: US PCT/US99/05028
PRIOR FILING DATE: 1999-03-08
NUMBER OF SEQ ID NOS: 39
LENGTH: 50
TYPE: DNA
ORGANISM: Artificial Sequence
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APPLICATION NUMBER: US 09/311,832
FILING DATE: 1999-05-14
APPLICATION NUMBER: US PCT/US01/06520
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APPLICATION VUNBER: US PCT/US00/30873
FILING DATE: 2000-11-10
APPLICATION NUMBER: US PCT/US00/23328
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APPLICATION WINBER: US PCT/US99/31274
FILING DATE: 1999-12-30
APPLICATION NUMBER: US PCT/US99/10733
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APPLICATION NUMBER: US PCT/US00/07532
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APPLICATION NUMBER: US PCT/US00/15264
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ING DATE: 2000-08-22
LICATION NUMBER: US 09/380,142
                                                    APPLICATION NUMBER: US 60/242,837
FILING DATE: 2000-10-24
APPLICATION NUMBER: US 60/175,481
                                                                                                                                                                                                            APPLICATION NUMBER: US 60/213,807
PILING DATE: 2000-06-27
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CATION NUMBER: US 60/134,287
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NG DATE: 1999-05-14
ICATION NUMBER: US 60/131,022
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ICATION NUMBER: US 60/130,232
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CATION NUMBER: US 60/113,621
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CATION NUMBER: US 09/854,280
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ICATION NUMBER: US 09/816,744
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APPLICATION NUMBER: US 09/747,259
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ICATION NUMBER: US 60/172,096
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APPLICATION NUMBER: US 60/138,387
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NUMBER: US 60/244,072
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; FEATURE:
; OTHER INFORMATION: Synthetic Oligonucleotide Probe
US-09-874-503-31
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Query Match 66.0%; Score 13.2; DB 9; Length 50;
Best Local Similarity 83.3%; Pred. No. 2.3e+03;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps

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 Search completed: June 25, 2003, 22:25:04 Job time : 61.7968 secs

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/cgn2_6/ptodata/2/pna/US102B_COMB.seq:
GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              24791104 segs, 12571243825 residues
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Maximum Match 100%
Listing first 45 summaries
                                                                                                          - nucleic search, using sw model
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20
1 CTGACAGAGCCCAACTCTTC 20
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Gapop 10.0 , Gapext 1.0
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seq length: 50
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Perfect score:
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Database :

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6/ptodata/2/pna/US6004_COMB.seq
6/ptodata/2/pna/US6005_COMB.seq
                                                                                                                                                                                                                    | cgn2 | syptodata/2/pna/US6007 COMB. se | cgn2 | syptodata/2/pna/US6009 COMB. se | cgn2 | syptodata/2/pna/US6009 COMB. se | cgn2 | syptodata/2/pna/US6010 COMB. se | cgn2 | syptodata/2/pna/US6011 COMB. se | cgn2 | syptodata/2/pna/US6012 COMB. se | cgn2 | syptodata/2/pna/US6013 COMB. se | cgn2 | syptodata/2/pna/US6014 COMB. se | cgn2 | syptodata/2/pna/US6012 COMB.
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ptodata/2/pna/US6008
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

	Description	Sequence 6, Appli			Sequence 5, Appli	Sequence 15, Appl	Sequence 124326,	Sequence 124326,	Sequence 992959,	Sequence 22, Appl	Sequence 22, Appl	Sequence 9984, Ap	Sequence 9984, Ap	Sequence 102700,	Seguence 80617, A	Sequence 304491,	Sequence 80617, A		Sequence 592670,	Seguence 736046,	Sequence 870013,	Sequence 3806, Ap
SUMMARIES	aı	PCT-US97-23619-6	US-08-770-564A-6	PCT-US97-23619-5	US-08-770-564A-5	US-08-521-634-15	US-09-396-196F-124326	US-09-396-196G-124326	US-60-353-987-992959	PCT-US02-07011-22	US-10-093-958-22	US-09-396-196F-9984	US-09-396-196G-9984	US-09-660-220-102700	US-09-954-427-80617	US-09-954-427-304491	US-60-233-166-80617	US-60-233-166-304491	US-60-353-987-592670	US-60-353-987-736046	US-60-353-987-870013	US-09-422-978-3806
	ОВ	-	11	п	11	σ	17	17	79	٦	39	17	17	56	36	36	67	67	79	79	79	18
	% Query Match Length	20	20	30	30	24	25	25	25	19	19	25	25	25	25	25		٠		25	25	47
	% Query Match	100.0	100.0	100.0	100.0	90.0	79.0	79.0	74.0	72.0	72.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
	Score	20	20	20	20	18	15.8	15.8	14.8	14.4	14.4	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2
-	Result No.	1	7	٣	4	υ Ω	9	7	8	O	10	c 11	c 12	13	14	15	16	. 17	.c 18	c 19	20	21

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Sequence 6, Application US/08770564A

GENERAL INFORMATION:
APPLICANT: Kealey, James T.
APPLICANT: Pruzan, Ron
APPLICANT: Weinrich, Scott L.
APPLICANT: Weinrich, Scott L.
TITLE OF INVENTION: Against the RNA Component of Telomerase
NUMBER OF SEQUENCES: 15
CORRESPONDENCE ADDRESS:
ADDRESSER: Two Embarcadero Center, 8th Floor
CITY: San Francisco
                                                                                                                                                                                                                                                                                                                                 Query Match 100.0%; Score 20; DB 1; Length 20; Best Local Similarity 100.0%; Pred. No. 22; Matches 20; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             STATE: CA
COUNTRY: USA
ZID: 94111
COMPUTER: EADABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/770,564A
FILING DATE: 20-DEC-1996
CLASSIFICATION: 514
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     015389-002200US
                                                                                                                                                                                 NAME/KEY: -
1.20
1.0CATION: 1..20
PCT-US97-23619-6
PCT-US97-23619-6
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ATTORNEY/AGENT INFORMATION:
NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
REFRENCE/DOCKET NUMBER: 01531
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-576-0200
                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 CTGACAGAGCCCAACTCTTC 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 creacadadececaacrerre 20
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       20 base pairs
      LENGTH: 20 base pairs
                                     TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ; TOPOLOGY: linear; MOLECULE TYPE: DNA US-08-770-564A-6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity
Matches 20; Conserv
                                                                                                                            MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RESULT 3
PCT-US97-23619-5
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Sequence 394270,
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Sequence 271024,
Sequence 143419,
Sequence 67313, A
Sequence 160140,
Sequence 161404,
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                                                                                                                                                            Sequence 66827, 7
Sequence 394270,
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                                                                                                                            Sequence 66822,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 527778,
                                                                                                                                                                                                                                                                               38193
                                                                                                                                                                                                                                                                               Sequence 3
Sequence 3
Sequence 3
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                                                                                                                                                                                                                                                                                                                                                                                                      Sequence
                                           Sequence
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                                                                       Sequence
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MEDIUM TYPE: Floppy disk
COMPUTER IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US9/23619
FILING DATE: Not yet assigned
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/770,564
FILING DATE: 20-DEC-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/770,565
FILING DATE: 20-DEC-1996
ATTORNEY/AGENT INFORMATION:
ARPERENCE/DOCKET NUMBER: 15389-27PC
TELEPHONE: (415) 576-0200
TELEPHONE: (415) 576-0300

TELEPHONE: (415) 576-0300

TELEPHONE: GLARACTERISTICS:
US-09-198-452A-5017
US-09-396-1967-119131
US-09-660-220-66821
US-09-660-220-66822
US-09-564-427-34270
US-60-232-688-394270
US-60-233-68-97310
US-60-233-68-97310
US-60-232-68-97310
US-60-232-68-97310
US-60-232-68-97310
US-09-733-956-3
US-09-54-427-160140
US-09-954-427-271024
US-09-954-427-271024
US-09-956-584-13313
US-60-233-166-160140
US-60-233-166-160140
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-60-234-017-161404
US-60-353-987-527778
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CT-US02-15906-25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ALIGNMENTS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 6, Application PC/TUS9723619
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PCT-US97-23619-6
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ö Gaps ö 100.0%; Score 20; DB 11; Length 20; 100.0%; Pred. No. 22; Indels 0; Mismatches

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Crew
STREET: One Market Plaza, Steuart Tower, Suite 2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: Eloppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/521,634
FILING DATE: 31-AUG-1995
PRIOR APPLICATION NUMBER: US 08/482,115
FILING DATE: 7-JUN-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/472,802
FILING DATE: 7-JUN-1995
PRIOR APPLICATION DATA:
APPLICATION DATA:
APPLICATION DATA:
APPLICATION DATA:
APPLICATION DATA:
APPLICATION DATA:
                                                                                                                                                                                                  COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOCTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/770,564A
FILING DATE: 20-DEC-1996
CLASSIFICATION: 514
ATTORNEY/AGRT INFORMATION:
NAME: SLOCATION NUMBER: 32,944
REGISTRATION NUMBER: 32,944
REGISTRATION NUMBER: 32,944
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELEPRAKE: 415-576-0300
          TOWNSEND and TOWNSEND and CREW LLP
                               STREET: Two Embarcadero Center, 8th Floor CITY: San Francisco
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 15, Application US/08521634
GENERAL INFORMATION:
APPLICANT: Villeponteau, Bryant
APPLICANT: Feng, Junil
APPLICANT: Funk Walter
APPLICANT: Andrews, William
TITLE OF INVENTION: Mammalian Telomerase
NUMBER OF SEQUENCES: 66
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 CTGACAGAGCCCAACTCTTC 20
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                                                                                                                                                     COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TELEFAX: 415-576-0300
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 30 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CITY: San Francisco
STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: nucleic acid
STRANDEDNESS: sing
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       MOLECULE TYPE: DNA
                                                                                                         USA
     ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ropology:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US-08-770-564A-5
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                                                                                                                                                                                                       Methods for Detecting and Inhibiting the RNA Component of Telomerase
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APPLICANT: Realey, James T.
APPLICANT: Pruzan, Ron
APPLICANT: Weinrich, Scott L.
TITLE OF INVENTION: Inhibitory Polynucleotides Directed
TITLE OF INVENTION: Against the RNA Component of Telomerase
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           100.0%; Score 20; DB 1; Length 30; 100.0%; Pred. No. 22; ive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                              NUMBER OF SEQUENCE.

CORRESPONDENCE ADDRESS:
ADDRESSE: Townsend and Townsend and Townsend and STREET: Two Embarcadero Center, Eighth Floor CITY: San Francisco STATE: California
CUNTRY: USA
ZIP: 94111-3384

COUNTRY: USA
ZIP: 94111-3384

COUNTRY: USA
ZIP: 94111-3384

COUNTRY: USA
ZIP: 94111-30

COUNTRY: USA
ZIP: 94111-30

COUNTRY: USA
ZIP: POPPY disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PARENTIN Release #1.0, Version #1.30

CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US97/23619

FILING DATE: 20-DEC-1996
ATPLICATION NUMBER: US 08/770,565
FILING DATE: 20-DEC-1996
ATPLICATION NUMBER: US 08/770,565
FILING DATE: 20-DEC-1996
ATPLICATION NUMBER: US 08/770,565
FILING DATE: 20-DEC-1996
ATPLICATION NUMBER: 15389-27PC
FILING DATE: 20-DEC-1996
ATPLICATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 15389-27PC
TELEPAX: (415) 576-0300
INPORMATION POR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 30 base pairs
TELENTY: NICHER CACING
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CCATION: 1..30
OTHER INFORMATION: /note= "oligo 16"
PCT-US97-23619-5
Sequence 5, Application PC/TUS9723619 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 5, Application US/08770564A GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1 CTGACAGAGCCCAACTCTTC 20
                                                                         APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
TITLE OF INVENTION: Methods
TITLE OF INVENTION: RNA COME
TUMBER OF SEQUENCES:
ADDRESSES:
ADDRESSES: Townsend and To
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity 100.0
Matches 20; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                MOLECULE TYPE: DNA
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Gaps

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 24;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: Michael Mittmann
APPLICANT: Michael Mittmann
APPLICANT: David Mack
APPLICANT: David Lockhart
APPLICANT: Affymetix, Inc.
TITLE OF INVENTION: Methods of Genetic Analysis
FILE REFERENCE: 3101.1
CURRENT APPLICATION NUMBER: US/09/396,196F
CURRENT APPLICATION NUMBER: 60/100,678
PRIOR APPLICATION NUMBER: 60/100,678
PRIOR APPLICATION NUMBER: 60/100,678
PRIOR FILING DATE: 1998-09-17
NUMBER OF SEQ ID NOS: 127806
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 124326
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         DB 9; Le 2.2e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             .7e+03;
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APPLICANT: David Mack
APPLICANT: David Lockhart
APPLICANT: David Lockhart
APPLICANT: Affwretrix, Inc.
TITLE OF INVENTION: Methods of Genetic Analysis
FILE REFERENCE: 3101.1
CURRENT APPLICATION NUMBER: US/09/396,196G
                                   PFILING MAIN DATA:
APPLICATION DATA:
APPLICATION NUMBER: US 08/272,102
PILING DATE: 7-40L-1994
ATTORNEY AGENT INFORMATION:
NAME: Dunn, Tracy.J.
REGISTRATION NUMBER: 15389-000850
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELEPRONE: 415-326-2400
TELEPRONE: 415-326-2400
INFORMATION FOR SEQ ID NO: 15:
SEQUENCE CHARACTERISTICS:
LENGTH: 24 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match 90.0%; Score 18; DB Best Local Similarity 100.0%; Pred. No. 2.; Matches 18; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 124326, Application US/09396196G GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 124326, Application US/09396196F GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                      MOLECULE TYPE: DNA (oligonucleotide) US-08-521-634-15
APPLICATION NUMBER: US 08/330,123 FILING DATE: 27-OCT-1994
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                2 TGACAGACCCCAACTCTTC 20
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Best Local Similarity 89.5%;
Matches 17; Conservative
                                                                                                                                                                                                                                                                                                                                         TYPE: nucleic acid
STRANDEDNESS: single
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                                                                                                                                                                                                                                                                                                                                                                                     linear
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APPLICANT: Lexigen Pharmaceuticals Corp.
APPLICANT: Gillies, Stephen
APPLICANT: Gillies, Stephen
APPLICANT: May, Jeffrey
TITLE OF INVENTION: Expression Technology for Proteins Containing a Hybrid Isotype An
TITLE OF INVENTION: Moiety
FILE REPERENCE: LEX-016FC
CURRENT APPLICATION WINBER: 2002-03-07
FRICK APPLICATION NUMBER: US 60/274,096
PRIOR FILING DATE: 2001-03-07
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT Mitmenn, Michael
TITLE OF INVENTION: Methods of Genetic Analysis of Probes: HG-U133
FILE REFERENCE: 3121
CURRENT APPLICATION NUMBER: US/60/353,987
CURRENT APPLICATION NUMBER: US/60/353,987
CURRENT FILING DATE: 2002-02-01
NUMBER OF SEQ ID NOS: 997516
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 992959
LENGTH: 25
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 14.8; DB 79;
Pred. No. 8.4e+03;
0; Mismatches 2;
                                                                                                                                                                                                                     Score 15.8; DB 17;
Pred. No. 2.7e+03;
n· Mismatches 2;
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72.0%; Score 14.4; DB 1;
Best Local Similarity 93.8%; Pred. No. 1.3e+04;
Matches 15; Conservative 0; Mismatches 1;
                                                                                                                                                                                                                                                                           0; Mismatches
PRIOR APPLICATION NUMBER: 60/100,678
PRIOR FILING DATE: 1998-09-17
NUMBER OF SEQ ID NOS: 127806
SSCTWARE: PastSEQ for Windows Version 4.0
SEQ ID NO 124326
LENGTH: 25
                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-60-353-987-992959
; Sequence 992959, Application US/60353987
; GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                        2 TGACAGAGCCCAACTCTTC 20
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SOFTWARE: PatentIn version 3.0
SEQ ID NO 22
LENGTH: 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: DNA
ORGANISM: artificial sequence
                                                                                                                                                                                                                              79.0%;
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Best Local Similarity 88.9°
                                                                                                                                                                                                                              Query Match
Best Local Similarity 89.53
Matches 17; Conservative
                                                                                                                                                            ORGANISM: mus musculus US-09-396-196G-124326
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US-60-353-987-992959
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Gaps
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GENERAL INFORMATION:
APPLICANT: Mitthann
APPLICANT: Mitthann
TITLE OF INVENTION: Methods of Genetic Analysis of the Rat
TITLE OF INVENTION: Genome
TITLE OF INVENTION: Genome
FILE REFERENCE: 3112
CURRENT APPLICATION NUMBER: US/09/954,427
CURRENT PILING DATE: 2001-09-17
NUMBER OF SEQ ID NOS: 420907
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 80617
LENGTH: 25
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APPLICANT: Affymetrix, Inc.

TITLE OF INVENTION: Methods of Genetic Analysis of Human
FILE REPERBNCE: 3102.1

CURRENT PILING DATE: 200-09-12

PRIOR APPLICATION NUMBER: 60/164,973

PRIOR PILING DATE: 1999-11-11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 14.2; DB 26;
Pred. No. 1.7e+04;
0; Mismatches 3;
                                                                                                                                                                                                                                                                                                                                                                                  Score 14.2; DB 17;
Pred. No. 1.7e+04;
APPLICANT: David Mack
APPLICANT: David Lockhart
APPLICANT: Affewerix, Inc.
TITLE OF INVENTION: Methods of Genetic Analysis
FILE REFERENCE: 3101.1
CURRENT APPLICATION NUMBER: US/09/396,196G
CURRENT APPLICATION NUMBER: 60/100,678
PRIOR APPLICATION NUMBER: 60/100,678
PRIOR FILING DATE: 1998-09-17
                                                                                                                                                                                                                                                                                                                                                                                                                            0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NUMBER OF SEQ ID NOS: 140981
SOFTWARE: FastSEQ for Windows Version 4.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PUBLICATION INFORMATION:

DATABASE ACCESSION NUMBER: GenBank U73824
US-09-660-220-102700
                                                                                                                                                                                                 NUMBER OF SEQ ID NOS: 127806
SOFTWARE: FastSEQ for Windows Version 4.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ; Sequence 102700, Application US/09660220; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       2 TGACAGAGCCCAACTCTTC 20
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84.2%;
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84.2%;
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Best Local Similarity 84.2
Matches 16; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RESULT 13
US-09-660-220-102700
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LENGTH: 25
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LENGTH: 25
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                                                                                                                                                                                                               APPLICANT: Jeffrey, Way TITLE OF INVENTION: Expression Technology for Proteins Containing a Hybrid Isotype AI TITLE OF INVENTION: Expression Technology for Proteins Containing a Hybrid Isotype AI TITLE OF INVENTION: Molety FILE REPRENCE: LEX-016 CURRENT APPLICATION NUMBER: US/10/093,958 CURRENT FILING DATE: 2002-03-07 PRIOR PIPLICATION NUMBER: US 60/274,096 PRIOR FILING DATE: 2001-077 NUMBER OF SEQ ID NOS: 50 OF WARRE: Patentin version 3.0 SOFTWARE: Patentin version 3.0 LENGTH: 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ö
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 25;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ; OTHER INFORMATION: forward primer for gamma 1 hinge region US-10-093-958-22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Indels
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Pred. No. 1.7e+04;
0; Mismatches 3.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 9984, Application US/09396196F
GENERAL INFORMATION:
APPLICANT: Michael Mittmann
APPLICANT: David Mack
APPLICANT: David Lockhart
APPLICANT: AFFWRETIX, Inc.
TITLE OF INVENTION: Methods of Genetic Analysis
FILE REFERENCE: 3101.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CURRENT APPLICATION NUMBER: US/09/396,196F CURRENT FILING DATE: 2001-09-15 PRIOR PPLICATION NUMBER: 60/100,678 PRIOR FILING DATE: 1998-09-17 NUMBER OF SEQ ID NOS: 127806 SOFTWARE: PastSEQ for Windows Version 4.0 SEQ ID NO 9984
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RESULT 12
US-09-396-196G-9984/c
IS-Gquence 9984, Application US/09396196G
; GENERAL INPORMATION:
; APPLICANT: Michael Mittmann
                                                                                                                                                   Sequence 22, Application US/10093958 GENERAL INFORMATION:
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Best Local Similarity 84.2%;
Matches 16; Conservative
                                                                                                                                                                                                 APPLICANT: Gillies, Stephen
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ; ORGANISM: Mus musculus
US-09-396-196F-9984
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Search completed: June 25, 2003, 06:20:24 Job time : 1698.67 secs

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Fri Jun 27 07:42:56 2003
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GenCore version 5.1.6 Copyright (c) 1993 - 2003 Compugen Ltd.

OM nucleic - nucleic search, using sw model

June 25, 2003, 13:28:55 ; Search time 477.769 Seconds (without alignments) 292.710 Million cell updates/sec Run on:

US-08-770-564A-6 20 1 CTGACAGAGCCCAACTCTTC 20

Title: Perfect score:

Sequence:

Scoring table:

IDENTITY NUC Gapop 10.0 , Gapext 1.0

8677950 Total number of hits satisfying chosen parameters:

7860393 segs, 3496198572 residues

Searched:

Minimum DB seq length: 0 Maximum DB seq length: 50

Post-processing: Minimum Match 0% Maximum Match 100% Listing first 45 summaries

Database :

Pending Patente NA New:*

(cgn2_6/ptodata/1/pna/USOF_NEW COMB.seq:*

(cgn2_6/ptodata/1/pna/USOF_NEW COMB.seq:*

(cgn2_6/ptodata/1/pna/USOF_NEW COMB.seq:*

(cgn2_6/ptodata/1/pna/USOB_NEW COMB.seq:*

(cgn2_6/ptodata/1/pna/USOB_NEW COMB.seq:*

(cgn2_6/ptodata/1/pna/USOB_NEW COMB.seq:*

(cgn2_6/ptodata/1/pna/USOB_NEW COMB.seq2:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Query Match Length DB	DB	ID	Description
C	20	100.0	23	-	PCT-US03-04088-522	Sequence 522, Apr
7 U	19	95.0	21	ч	PCT-US03-04088-540	Sequence 540, Apr
٣	. 19	95.0	21	ч	PCT-US03-04088-544	Sequence 544, Apr
Ω	19	95.0	21	Н	PCT-US03-04088-548	Sequence 548, Apr
9	19	95.0	21	ч	PCT-US03-04088-552	Sequence 552, Apr
9 U	19	95.0	21	Н	PCT-US03-04088-556	Sequence 556, Apr
7	19	95.0	21	ч	PCT-US03-04088-560	Sequence 560, App
ω υ	18	90.0	19	Н	PCT-US03-04088-23	Sequence 23, App.
6	18	90.0	19	Н	PCT-US03-04088-287	Sequence 287, App
2	15.8	79.0	25	12	US-60-427-808-503841	
11	14.8	74.0	25	σ	US-10-355-577-992959	Sequence 992959,
12	14.8	74.0	25	12	US-60-427-808-449334	Sequence 449334
13	14.8	74.0	25	12	US-60-427-836-142384	Sequence 142384
c 14	14.8	74.0	25	12	US-60-427-836-603511	Sequence 603511
c 15	14.4	72.0	25	12	US-60-427-836-166946	Sequence 166946
16	14.4	72.0	25	12	US-60-427-836-359518	Sequence 359518
17	14.2	71.0	25	9	US-09-660-222-102700	Sequence 102700,
c 18	14.2	71.0	25	6	US-10-355-577-592670	Sequence 592670,
c 13	14.2	71.0	25	σ	US-10-355-577-736046	Seguence 736046,
20	14.2	71.0	25	0	US-10-355-577-870013	Seguence 870013.

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Gaps ö

Query Match 100.0%; Score 20; DB 1; Length 23; Best Local Similarity 100.0%; Pred. No. 3.3; Matches 20; Conservative 0; Mismatches 0; Indels

Sequence 420907, Sequence 423385, Sequence 503840, Sequence 50480, Ap Sequence 74221, A Sequence 699316, Sequence 68221, A Sequence 68221, A Sequence 68221, A Sequence 68221, A Sequence 738193, A Sequence 738193, Sequence 104960; Sequence 104960; Sequence 23312, Sequence 104960; Sequence 23312, Sequence 263112, A Sequence 104960; Sequence 104960; Sequence 263112,	
US-60-427-808-420907 US-60-427-808-423385 US-60-427-808-467623 US-60-427-808-503840 US-60-427-808-768602 US-10-349-143-3806 US-60-427-808-69316 US-60-427-808-69316 US-60-427-808-69316 US-09-60-222-66821 US-09-660-222-66821 US-09-660-222-66821 US-09-660-222-66821 US-09-660-222-66821 US-09-660-222-66821 US-09-660-222-66821 US-09-660-222-66821 US-09-60-222-66821 US-09-953-570-97309 US-10-355-577-738193 US-60-427-808-99506 US-60-427-808-99506 US-60-427-808-263712	US-60-427-808-317845 US-60-427-808-461772 US-60-427-808-589800 US-60-427-836-258 US-60-427-836-78476 US-60-427-836-316656 US-10-372-730-13
	122222
2 2 2 2 2 4 2 2 2 2 2 2 2 2 2 2 2 2 2 2	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7
711.0 711.0 711.0 711.0 70.0 70.0 70.0 69.0 69.0 69.0 69.0	0.0000000000000000000000000000000000000
444444	13.8 13.8 13.8 13.8 13.8
000 0000000000000000000000000000000000	00 6444444 60010640

ALIGNMENTS

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FEATURE:

OTHER INFORMATION: Description of Artificial Sequence: Target sequence/sinA sense

OTHER INFORMATION: region

PCT-US03-04088-522
      gequence 522, Application PC/TUS0304088

gequence 522, Application PC/TUS0304088

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ORGANISM: Artificial
PCT-US03-04088-522/c
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NAME/KEY: misc feature LOCATION: (20)..(21)
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ORGANISM: Artificial
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ORGANISM: Artificial
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                                                                                                                                                                                                                        PCI-USO3-0408B-340, Application PC/TUS0304088

Sequence 540, Application PC/TUS0304088

GENERAL INPORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Beigelman, Leonid
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase Gene
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase Gene
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase Gene
TITLE OF INVENTION: Expression Using Short Interfering RNA (siNA)
FILE REFERENCE: 02-708-A (400/080)
CURRENT APPLICATION NUMBER: PCT/US03/04088
CURRENT APPLICATION NUMBER: US 60/356,600
PRIOR PRIOR FILING DATE: 2002-02-20
PRIOR FILING DATE: 2002-02-20
PRIOR APPLICATION NUMBER: US 60/363,124
PRIOR APPLICATION NUMBER: US 60/363,782
PRIOR PRILING DATE: 2002-06-06
PRIOR PRILING DATE: 2002-08-05
PRIOR PLING DATE: 2002-09-05
PRIOR PLING DATE: 2002-09-05
PRIOR PLING DATE: 2002-09-05
PRIOR PRILING DATE: 2002-09-05
PRIOR PLING DATE: 2002-09-09
PRIOR FILING DATE: 2002-09-09
PRIOR PRILING DATE: 2002-09-09
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APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Beigelman, Leonid
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase Gene
TITLE OF INVENTION: Expression Using Short Interfering RNA (siNA)
FILE REFERENCE: 02-708-A (400/080)
CURRENT APPLICATION NUMBER: PCT/0503/04088
FRIOR FILING DATE: 2003-04-17
PRIOR FILING DATE: 2003-07-17
PRIOR FILING DATE: 2002-07-17
PRIOR PLILING DATE: 2002-02-20
FRIOR PLILING DATE: 2002-02-20
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COTHER INFORMATION: n stands for thymidine PCT-US03-04088-540
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 544, Application PC/TUS0304088 GENERAL INFORMATION:
1 CTGACAGAGCCCAACTCTTC 20
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NUMBER OF SEQ ID NOS: 626
SOFTWARE: PatentIn version 3.2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NAME/KEY: misc feature
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ORGANISM: Artificial
                                                                                                                                                                                                          -US03-04088-540/c
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PRIOR APPLICATION WURBER: US 60/186,782
PRIOR PILIOR DATE: 2002-06-06
PRIOR PILIOR DATE: 2002-06-06
PRIOR PILIOR DATE: 2002-06-06
PRIOR PILIOR DATE: 2002-09-09
PRIOR PILIOR PILIOR DATE: 2002-09-09
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PRIOR PILIOR DATE: 2003-09-16
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NAMB/KEX: misc_feature
LOCATION: (21)-(21)
COTHER INFORMATION: 3'-3 attached terminal deoxyabasic moeity
PCT-US03-04088-548
OTHER INFORMATION: 5'-3 attached terminal deoxyabasic moeity
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11;
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NAME/KEY: misc_feature
LOCATION: (20)..(21)
OTHER INFORMATION: n stands for thymidine
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                                                                                                                     LOCATION: (7)...(8)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
                                                                                                                                                                                                                                               NAME/KEY: misc_feature
LOCATION: (12)...(15)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
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OTHER INFORMATION: 2'-deoxy-2'-fluoro
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OTHER INFORMATION: 2'-deoxy-2'-fluoro
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                                                                              NAME/KEY: misc_feature
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LOCATION: (17)..(18)
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Target sequence/siNA sense
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LOCATION: (20)...(20)
OTHER INFORMATION: Phosphorothioate 3'-Internucleotide Linkage
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COTHER INFORMATION: n stands for thymidine PCT-US03-04088-552
                                                                                                                                                                                                                                      FEATURE:
NAME/KEY: misc_feature
LOCATION: (14)...(19)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
FEATURE:
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LOCATION: (4)..(4)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
                                                                         FEMTURE:
NAME/KEY: misc_feature
LOCATION: (9). (11)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
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78.9%;
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OTHER INFORMATION: 2'-deoxy
FEATURE:
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Best Local Similarity 78.9°
Matches 15; Conservative
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OTHER INFORMATION: Description of Artificial Sequence: Target sequence/sinA OTHER INFORMATION: antisense region
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GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaccuticals, Inc.
APPLICANT: Roswiggen, James
APPLICANT: Beigelman, Leonid
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase Gene
TITLE OF INVENTION: Expression Using Short Interfering RNA (siNA)
FILE REPERENCE: 02-708-A (400/080)
CURRENT APPLICATION NUMBER: US 60/396,600
PRIOR FILING DATE: 2003-04-28
PRIOR FILING DATE: 2002-07-17
PRIOR FILING DATE: US 60/396,600
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: LOCATION: (20)

: LOCATION: (20)

: OTHER INFORMATION: Phosphorothioate 3'-Internucleotide Linkage

PCT-US03-04088-560
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Pred. No. 11;
4; Mismatches
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OTHER INFORMATION: n stands for thymidine
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LOCATION: (4)...(4)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
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OTHER INFORMATION: 2'-deoxy-2'-fluoro
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OTHER INFORMATION: 2'-deoxy-2'-fluoro
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INFORMATION: 2'-deoxy-2'-fluoro
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                            NUMBER OF SEQ ID NOS: 626
SOFWARE: Patentin version 3.2
SEQ ID NO 560
LENCTH: 21
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Best Local Similarity 78.9%;
Matches 15; Conservative
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NAME/KEY: misc_feature
LOCATION: (2)...(3)
OTHER INFORMATION: 2'-deoxy
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OTHER INFORMATION: 2'-deoxy
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INFORMATION: 2'-deoxy
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NAME/KEY: misc_feature
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LOCATION: (9)..(11)
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NAME/KEY: misc_feature
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                                                                                                                                                                 ORGANISM: Artificial
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PCT-USD3-QUADBB-SG0

PCT-USD3-QUADBB-SG0

PCT-USD3-QUADBB-SG0

PCT-USD3-QUADBB-SG0

PCT-USD3-QUADBB-SG0

PCD3-QUADBB-SG0

PCD3-QUADBB-SG0

PCD3-QUADBB-SG0

PTILE OF INVENTION: RAY Interference Mediated Inhibition of Telomerase Gene

PTILE OF INVENTION: RAY Interference Mediated Inhibition of Telomerase Gene

PTILE OF INVENTION: RAY Interference Mediated Inhibition of Telomerase Gene

PTILE OF INVENTION: RAY Interference Mediated Inhibition of Telomerase Gene

PTILE OF INVENTION: RAY INTERFERENCE: 02-708-A (400/080)

CURRENT PRILING DATE: 2003-04-28

PRIOR APPLICATION NUMBER: US 60/356,600

PRIOR PLING DATE: 2002-02-17

PRIOR PLING DATE: 2002-03-11

PRIOR PLING DATE: 2002-03-11

PRIOR PPLICATION NUMBER: US 60/406,784

PRIOR PLING DATE: 2002-06-06

PRIOR PLING DATE: 2002-08-05

PRIOR PLING DATE: 2002-09-05

PRIOR PLING DATE: 2002-09-05

PRIOR PLING DATE: 2002-09-09

PRIOR PLING DATE: 2002-09-09
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                         LOCATION: (1)..(1)
OTHER INFORMATION: 5'-3 attached terminal deoxyabasic moeity
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LOCATION: (20)...(21)
OTHER INFORMATION: n stands for thymidine
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OTHER INFORMATION: 2'-deoxy-2'-fluoro
                                                                                                                                                                                                                                                                                                                                                         LOCATION: (12)...(15)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
                                                                                                                                     LOCATION: (7)...(8)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
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LOCATION: (16)...(16)
OTHER INFORMATION: 2'-deoxy
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OTHER INFORMATION: 2'-deoxy
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NAME/KEY: misc_feature
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LOCATION: (9)..(11)
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Gaps
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TITLE OF INVENTION: Methods of Genetic Analysis of Probes: HG-U133
FILE REFERENCE: 3121
CURRENT APPLICATION NUMBER: US/10/355,577
CURRENT FILLING DATE: 2003-01-31
NUMBER OF SEQ ID NOS: 997516
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 922959
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TITLE OF INVENTION: Methods of Genetic Analysis of Mouse
FILE REFERENCE: 3528
CURRENT APPLICATION NUMBER: US/60/427,808
CURRENT FILING DATE: 2002-11-20
NUMBER OF SEQ ID NOS: 982914
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 503841
LENGTH: 25
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GENERAL INFORMATION:
APPLICANT: Xue Mei Zhou
TITLE OF INVENTION: Methods of Genetic Analysis of Mouse
FILE REFERENCE: 3528
CURRENT PELLING DATE: 2002-11-20
NUMBER OF SEQ ID NOS: 982914
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 449334
LENGTH: 25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Indels
      Indels
      .;
0
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Pred. No. 4.8e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          74.0%; Score 14.8; DB 9; 88.9%; Pred. No. 1.6e+03;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0; Mismatches
   Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Mismatches
                                                                                                                                                                                                            RESULT 10
US-60-427-808-503841
; Sequence 503841, Application US/60427808
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ; Sequence 992959, Application US/10355577; GENERAL INFORMATION:
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      3
                                                                                                   2 CUGACAGAGCCCAACUCU 19
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Best Local Similarity 89.5%;
Matches 17; Conservative (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity 88.9
Matches 16; Conservative
   15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ; TYPE: DNA
; ORGANISM: Mus musculus
US-60-427-808-503841
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ; ORGANISM: Homo sapien
US-10-355-577-992959
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           RESULT 11
US-10-355-577-992959
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US-60-427-808-449334
   Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  OTHER INFORMATION: Description of Artificial Sequence: Target sequence/sinA sense; OTHER INFORMATION: region
PCT-US03-04088-23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GENERAL INPORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Beigelman, Leonid
TITLE OF INVENTION: Rapression Using Short Interfering RNA (sinA)
TITLE OF INVENTION: Rapression Using Short Interfering RNA (sinA)
FILE REPERBRE: 02-708-A (400/080)
CURRENT FILING DATE: 2003-04-28
PRIOR PILING DATE: 2003-04-28
PRIOR PLICATION NUMBER: US 60/358,580
PRIOR PLING DATE: 2002-02-17
PRIOR PLING DATE: 2002-03-11
PRIOR PLING DATE: 2002-06-06
PRIOR PLING DATE: 2002-06-06
PRIOR PLING DATE: 2002-06-06
PRIOR PLING DATE: 2002-09-05
PRIOR PLING DATE: 2002-09-09
PRIOR PLING DATE: 2002-09
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PCT-US03-04088-287
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Pred. No. 34;
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90.0%; Score 18; DB
Best Local Similarity 100.0%; Pred. No. 34;
Matches 18; Conservative 0; Mismatches
      PRIOR AFFLIANCE.

PRIOR APPLICATION NUMBER: US 60/386,782
PRIOR PILING DATE: 2002-03-11
PRIOR PILING DATE: 2002-06-06
PRIOR PILING DATE: 2002-06-06
PRIOR PILING DATE: 2002-08-29
PRIOR PILING DATE: 2002-09-05
PRIOR FILING DATE: 2002-09-05
PRIOR FILING DATE: 2002-09-09
PRIOR PILING DATE: 2002-09-09
PRIOR PILING DATE: 2002-09-09
PRIOR PILING DATE: 2003-01-15
NUMBER OF SEQ ID NOS: 626
SOFTWARE: PATCHIN VERSION 3.2
SEQ ID NOS: 626
US 60/363,124
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 287, Application PC/TUS0304088 GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 18 CTGACAGAGCCCAACTCT 1
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83.3%;
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Best Local Similarity
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NUMBER OF SEQ ID NOS: 699466
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Use-G0-427-836-603511/c
is Sequence 603511, Application US/60427836
i GENERAL INFORMATION:
i APPLICANT: Vale Mei Zhou
i TITLE OF INVENTION: Methods of Genetic Analysis of Rat
i PILE REFERENCE: 3527
CURRENT APPLICATION NUMBER: US/60/427,836
CURRENT FILING DATE: 2002-11-20
NUMBER OF SEQ ID NOS: 699466
i SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 603511
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                                                       Length 25;
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TITLE OF INVENTION: Methods of Genetic Analysis of Rat
FILE REFERENCE: 3527
CURRENT APPLICATION NUMBER: US/60/427,836
CURRENT FILING DATE: 2002-11-20
NUMBER OF SEQ ID NOS: 699466
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 142384
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TITLE OF INVENTION: Methods of Genetic Analysis of Rat
FILE REFERENCE: 3527
CURRENT ABLICATION NUMBER: US/60/427,836
CORRENT FILING DATE: 2002-11-20
                                                     DB 12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 14.8; DB 12;
Pred. No. 1.6e+03;
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Pred. No. 1.6e+03;
0; Mismatches 2;
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                                                                                         0; Mismatches
                                                       Score 14.8;
Pred. No. 1.0
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; Sequence 166946, Application US/60427836
; GENERAL INFORMATION:
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US-60-427-836-142384
; Sequence 142284, Application US/60427836
; GENERAL INFERMATOR PARTIES
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                                                                                                                                                              1 GACAGTGTCCAACTCTTC 18
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88.9%;
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Best Local Similarity 88.9%;
Matches 16; Conservative
                                                     Query Match
Best Local Similarity 88.9%;
Matches 16; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       7 GACTGAGCCCACCTCTTC
                                                                                                                              3 GACAGAGCCCAACTCTTC
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CRGANISM: Rattus norvegicus
US-60-427-836-603511
                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: DNA
CRGANISM: Rattus norvegicus
US-60-427-836-142384
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity 88.9<sup>5</sup>
Matches 16, Conservative
; ORGANISM: Mus musculus US-60-427-808-449334
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; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1; SEQ ID NO 166946; LENGTH: 25
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Rattus norvegicus
US-60-427-836-166946

Query Match
Best Local Similarity 93.8%; Pred: No. 2.56+03;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps

Qy
I CTGACAGAGCCCAACT 16
Db I CTGACAGAGCCCAACT 1
Db I CTGACAGAGCCCAACT 1
Search completed: June 26, 2003, 04:15:15
JOB time: 479.077 secs
```

OM nucleic - nucleic search, using sw model Run on:

June 23, 2003, 01:05:28; Search time 348.884 Seconds (without alignments) 2502.502 Million cell updates/sec

US-08-770-564A-5 30 Title: Perfect score: Sequence:

1 CTGACAGAGCCCAACTCTTCGCGGTGGCAG 30 Scoring table:

OLIGO_NUC Gapop_60.0 , Gapext 60.0

2054640 segs, 14551402878 residues Searched:

0 Word size :

841850 Total number of hits satisfying chosen parameters:

Minimum DB seq length: 0 Maximum DB seq length: 50

Post-processing: Listing first 45 summaries

GenEmbl:* Database :

db pr:*
gb ro:*
gb ro:*
gb sts:*
gb sy:* em_hum:* em_in:* fun: + gb_htg:*
gb_in:*
gb_ow:*
gb_ov:*
gb_pt:* em_mu:* em_om:*

em or: em_ov:

em_ro:* em_sts:* em_un:*

em htg other:* em_htg_pln:* em_htg_rod:* em_htg_mam:*

em_htgo_mus:* em_htgo_other:* htgo hum: * htg_vrt:*

Pred. No. is the number of results predicted by chance to have a

score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

	c.	AR063829 Sequence	83	831 Sequenc	š	903	346	Ĕ	H.sapi	160	Sequenc	Sequenc	Nucleotid	AR056247 Sequence	AR114005 Sequence	ynthetic	A32726 Synthetic d	equence 1	Sequence 4	Oligonucl	_	Nucleotid	A30766 Artificial	112 Seguenc	ద	5	30693	×	AR129457 Sequence	႕	9 Sequence	robe. 1/	1 Sequenc	_	Sequenc			340 Ното вар	Ξ	6 Sequenc	9	Sequence 6	Sequence	H. sapiens	œ	72591 TCR gamma	
SOUTHWATERS	Ω	AR063829	AR063830	AR063831	128704	AB069038	4	872525	HSTCRGV33	AX158160	AX158162	AX024597	A14857	AR056247	AR114005	A32455	A32726	11.9611	184271	A09892	A09923	A14859	A30766	AR002212	E05218	E16501	AB069392	A37934	AR129457	AX110621	AX110619	A09925	AR171201	AX068559	AX445639	AX445836	AX115384	HSA270340		AR142066	İ59933	186791	. 195816	HSTCRGV22	\$72587	7259	AT. T.C.NMENTS
	108	٠	9	9	9	12	9	σ	σ	9	9	9	9	9	9	9	9	ø	9	9	v	9	v	9	9	9	12	9	9	9	9	9	9	9	y	φ	9	σ	σ	9	9	9	9	6	σ	6	
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	Score	30	20	20	13	12	12	. 12	12	12	12	12	7	11	7	11	11	11	11	11	17	11	11	11	11	11	=======================================	11	11	11	11	11	1	11	11	1	11	11	=	11		11	П	11	11	11	
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	Result No.	1						U	υ	U	U		υ										O	υ	U	υ	U	υ					υ	U	U				υ	O	υ	O	U	Ü	υ	υ	

ALIGNMENTS

AR063829 30 bp Sequence 5 from patent US 5846723. AR063829 GI:5993137 RESULT 1
AR063829
LOCUS
DEFINITION
ACCESSION
VERSION
KEYWORDS
SOURCE
ORGANISM

PAT 29-SEP-1999

linear

DNA

Unknown. Unclassified. Unknown.

1 (bases 1 to 30)

Kim.N.Woo., Wu.F., Kealey,J.T., Pruzan,R. and Weinrich,S.L.

Methods for detecting the RNA component of telomerase

Patent: US 5846723-A 5 08-DEC-1998;

Location/Qualifiers REFERENCE AUTHORS TITLE JOURNAL FEATURES

PAT 06-FEB-1997

BASE COUNT

ORIGIN

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AB069038 20 bp DNA linear SYN 08-AUG-2001
Synthetic construct DNA, forward primer for human STS sts-A008344
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                /organism="synthetic construct"
/db_xref="taxon:32630"
1. _20
/note="forward primer for human STS sts-A008J44 at 1p36
/note="forward primer for human STS sts-A008J44 at 1p36
sts-A008J44 obtained from clones B316C6, B132G19, B375M9,
Human BAC library RPCI-11"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Chen,Y.Z., Hayashi,Y., Wu,J.G., Takaoka,E., Maekawa,K., Watanabe,N., Inazawa,J., Hosoda,F., Arai,Y., Mizushima,H., Morohashi,A., Ohira,M., Nakagawara,A., Liu,S., Hoshi,M., Horii,A. and Soeda,E.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Submitted (04-AUG-2001) Akira Horii, Tohoku University School of Medicine, Molecular Pathology; 2-1 Seiryomachi, Aoba-ku, Sendai, Miyagi 980-8575, Japan (E-mail:horii@mail.cc.tohoku.ac.jp, Tel:81-22-717-8042, Fax:81-22-717-8047)
                                                                                                                          Unclassified.

1 (bases 1 to 46)

Beckmann, W. Patricia., Goodwin, R.G., Giri, J.G. and Armitage, R.J.

CD27 ligand
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 40.0%; Score 12; DB 12; Length 20; 100.0%; Pred. No. 1.38+04; ive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                               43.3%; Score 13; DB 6; Length 46;
100.0%; Pred. No. 3e+03;
tive 0; Mismatches 0; Indels
        linear
        DNA
                                                                                                                                                                                          Patent: US 5573924-A 7 12-NOV-1996;
Location/Qualifiers
   46 bp
Sequence 7 from patent US 5573924.
128704
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              chromosome 1p35-p36
Genomics 74 (1), 55-70 (2001)
                                                                                                                                                                                                                                             /organism="unknown"
12 c 14 g
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                                                       I28704.1 GI:1819480
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Horii,A.
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Best Local Similarity 100.
Matches 12; Conservative
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Best Local Similarity
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AB069038
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AUTHORS
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REFERENCE
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TITLE
JOURNAL
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JOURNAL
FEATURES
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Kim,N.Woo., Wu,F., Kealey,J.T., Pruzan,R. and Weinrich,S.L.
Methods for detecting the RNA component of telomerase
Patent: US 5846723-A 7 08-DEC-1998;
Location/Qualifiers
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Kim,N.Woo., Wu.F., Kealey,J.T., Pruzan,R. and Weinrich,S.L.

Methods for detecting the RNA component of telomerase

Patent: US 5846723-A 6 08-DEC-1998;

Location/Qualifiers
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Pred. No. 0.13;
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Sequence 7 from patent US 5846723.
AR063831.
AR063831.1 GI:5993139
                                                                                                                                                                                                                                                               20 bp
Sequence 6 from patent US 5846723.
AR063830.
AR063830.1 GI:5993138
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7 c 6 g
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Best Local Similarity 100.0%;
Matches 30; Conservative 0
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TITLE JOURNAL REFERENCE AUTHORS

FEATURES

RESULT 2 AR063830

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RESULT 3 AR063831

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Direct Submission
Submitted (10-JUN-1992) J. Hvas, La Trobe University,
Submitted (10-JUN-1992) J. Hvas, La Trobe University,
Neurocimmunology Lab., Dept. of Psych., La Trobe University,
Label 1 to 30)
Hvas, J., Okenberg, J.R., Fernando, R., Steinman, L. and Bernard, C.C.
Alvas, delta T cell receptor repertoire in brain lesions of patients
with multiple sclerosis
                                                                                                                                                                                                                                                                                                                                  HSJCKGV33 30 bp mRNA linear PRI 07-JUL-1994
H.sapiens mRNA for rearranged TCR-gamma chain V region (VJ).
K69253
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi;
Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo.
1 (bases 1 to 30)
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Pred. No. 1.3e+04;
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            /codon start=2
/product="T cell receptor gamma chain"
/protein.id="AAB20598.2"
/db.xref="G1:771729"
/translation="PLWEREELG"
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100.0%; Pred. No. ...
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Seguence 1488 from Patent WO0140521.
AX158160
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/note="V-gamma-2 segment"
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/organism="Homo sapiens"
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/clone="MSSELBRASG"
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4 c 12 g
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/note="N region"
manuscript"
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Homo sapiens
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Trans. Assoc. Am. Physicians 103, 102-111 (1990)
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28 bp mRNA linear PRI 08-MAY-2000
TCR V gamma 9=T cell receptor gamma chain {V-J junction} [human, mRNA Partial Mutant, 28 nt].
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                                                                  PAT 30-APR-2001
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/note="This sequence comes from Figure 4; conceptual
translation differs from the translation presented in the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalla; Eutheria; Primates; Catarrhini; Hominidae; Homo.
I (bases I to 28)
Holroyd, K.J., Tamura, N., Banks, T., Kirby, M., Okayama, H. and
Crystal, R.G.
                                                                                                                                                                   SM synthetic construct
artificial sequences.
I (base of the construct)
S Delecranider, W. (base of the coupled receptor
L Human g-protein coupled receptor
L Patent: WO 0125269-A 13 12-APR-2001;
Solvay Pharmaceuticals B.V. (NL)
Location(Qualifiers

1. 26
//organism="synthetic construct"
//b xref="taxon:32650"
//note="Degenerated primers"
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/note="T cell receptor gamma chain"
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1.3e+04;
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/db_xref="taxon:9606"
                                                              AX109246 26 bp
Sequence 13 from Patent WO0125269
AX109246
                                                                                                                                                                                                                                                                                                                                                                                                                                     /note="A, C, G or T"
7 c 9 g
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24
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S72525.1 GI:240432
                                                                                                                                                    synthetic construct
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Gaps

PAT 15-SEP-2000

linear

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synthetic construct.

synthetic construct

artificial sequences.

1 (bases 1 to 50)

Turecek, P., Scheiflinger, F., Schwarz, H.P., Lenting, P.J., van
Mourik, J.A., Pannekoek, H. and Mertens, K.

A factor viii-polypeptide with factor viii:-c-activity
Patent: WO 0028021-A 13 18-MAY-2000;

BALTER AKTIENGESELLSCHAFT (AT); TURECEK PETER (AT); SCHBIFLINGER
FRIEDRICH (AT); SCHWARZ HANS PETER (AT); LENTING PETRUS JOHANNES

(NL); MOURIK JAN AART VAN (NL); PANNEKOEK HANS (NL); MERTENS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 (bases 1 to 12)
Cravador, A., De Vos-Pierreux, M.J. and Bollen, A.
Nucleic acid probes with non-eadloactive labels, and preparation
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Nucleotide sequence 1 from patent number BP0334694.
A14857
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Best Local Similarity 100.0%; Pred. No. 5.3e+04;
Matches 11; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                       AR056247 15 bp DNA
Sequence 451 from patent US 5837542.
AR056247
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Patent: BP 0334694-A 1 27-SEP-1989;
PRE-CELLTARG S.A.; LA REGION WALLONNE
Location/Qualifiers
Sequence 13 from Patent WO0028021.
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/organism="unidentified"
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11 GACAGAGCCCA 1
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1 (bases 1 to 46)

2 Shinkets,R.A. and Leach,M.

Nucleic acids containing single nucleotide polymorphisms and methods of use thereof

Patent: WO 0140521-A. 1490 07-JUN-2001;
                                                                          Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

I (bases 1 to 43)
Shimkets, R. A. and Leach, M.
Nucleic acids containing single nucleotide polymorphisms and methods of use thereof methods of use thereof Detent: WO 0140521-A 1488 07-JUN-2001;
Curagen Corporation (US)
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15 c 6 g 15 t
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14 c 6 g 13 t
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100.0%; Pred. No. 1.2e+04;
tive 0; Mismatches 0; Indels
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100.0%; Pred. No. 1.2e+04;
iive 0; Mismatches 0;
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/organism="Homo sapiens"
/db_xref="taxon:9606"
21. .22
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/db_xref="taxon:9606"
18._.19
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Location/Qualifiers
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9
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Matches 12; Conservative
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Matches 12; Conservative
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Gaps

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Length 50;

PAT 16-MAY-1994

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PAT 29-SEP-1999

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synthetic construct
artificial sequences.

1 (bases 1 to 18)
Cros,P., Allibert,P.A., Mandrand,B.F. and Dalbon,P.T.
Method for immobilizing a nucleic acid fragment by passive
adsorption on a solid support, solid support obtained therefrom and
its utilisation
Parent: EP 0524864 A 10 27-JAN-1993;
BIO MERIEUK, Societe anonyme
Location/Qualifiers
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Ribozyme treatment of diseases or conditions related to levels of intercellular adhesion molecule-1 (ICAM-1)
Patent: US 6132967-A 451 17-OCT-2000;
Location/Qualifiers
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                                            1 (bases 1 to 15)
Grimm,S., Stinchcomb,D.T., McSwiggen,J., Sullivan,S. and
Draper,K.G.
Intercellular adhesion molecule-1 (ICAM-1) ribozymes
Patent: US 5837542-A 451 17-NOV-1998;
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Unclassified.

1 (bases 1 to 15)
Grimm, S., Stinchcomb, D.T., McSwiggen, J., Sullivan, S. and Draper, K.G.
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Synthetic papillomavirus type 16 E7 probe.
A32455
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Best Local Similarity 100.0%; Pred. No. 5.3e+04;
Matches 11; Conservative 0; Mismatches 0;
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Seguence 451 from patent US 6132967.
AR114005
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/organism="unknown"
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Matches 11; Conservative
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/organism="synthetic construct"
/db_xref="taxon:32630"

ORIGIN
Query Match
Best Local Similarity 100.0%; Pred. No. 5.3e+04;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps
Qy 3 GACAGAGCCCA 13
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Db 4 GACAGAGCCCA 14
Search Completed: June 23, 2003, 06:34:15
Job time: 351.346 secs
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(OTASU) NNAJB 30A9 SIHT

PCR primer used to human silent SNP c Human silent SNP c Construct pC2-m9#5 oligonucleotide pr Target DNA sequenc Oligonucleotide SE Oligonucleoti

Title: Perfect score:

Sequence:

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Run on:

Scoring table:

Word size

Searched:

Database :

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RNA component; human telomerase; antisense oligonucleotide; infection; neuroblastoma; bladder cancer; colon cancer; prostate cancer; cancer; contraception; sterilisation; immunosuppression; therapeutic; hTR; immune system down-regulation; anti-inflammatory therapy; ss.
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ABH33140
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AAZ77184
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AAC68689
AAH01361
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ABQ02087
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AAQ22888
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AAD05954
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96US-0770565.
96US-0770564.
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WO9828442-A1.
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20-DEC-1996;
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Synthetic
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PCR primer hTR 332
Mouse Elf-1 revers
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Human chromosome 1
Rye mircrosatellit
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                                                                                                                                                                                                                                                                                                                                             Description
                                                                                                                     2166140
     GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.
                                                                     1 CTGACAGAGCCCAACTCTTCGCGGTGGCAG 30
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                                                                                                2185239 segs, 1125999159 residues
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ABL43397
AAZ23852
AAX36927
                          - nucleic search, using sw model
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AAV41173
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Hen egg white lyso

Human gene single Collectin PCR prim Mouse R35 specific

Sequence of probe Primer #106. Home Oligonucleotide ad Oligonucleotide ad

detecting or inhibiting human telomerase, e.g. for treating cancers, contraception, immuno-suppression or treating infection

polynucleotide(s) anti:sense to human telomerase - used for

New polynucleotide(s) anti:sense to human telomerase - used for detecting or inhibiting human telomerase, e.g. for treating cancers, contraception, immuno-suppression or treating infection

Claim 11; Page 65; 80pp; English.

Sequences shown in AAV41169 to AAV41181 represent antisense
oligonucleotides to the RNA component of human telomerase (hTR). These
antisense oligonucleotides specifically hybridise to a nucleotide
sequence within an accessible region of the hTR. but that does not
hybridise to a sequence within the template region of hTR. These
component of human telomerase in a sample. This is useful for diagnosing
component of human telomerase in a sample. This is useful for diagnosing
component of human telomerase in a sample. This is useful for diagnosing
concertides can inhibit the telomerase activity level in a cell by
interfering with transcription of the RNA component, decreasing the
half-life of the telomerase RNA component transcript, inhibiting assembly
of the RNA component into the telomerase activity, in both cultured cells and in
be used for inhibiting telomerase activity in both cultured cells and in
cells in vivo. They can be used in therapeutics for treating or
cells in vivo. They can be used in therapeutics for treating or
menunosuppression, and for selectively down-regulating specific branches
immunosuppression, and for selectively down-regulating specific branches
in the immune system. e.g. a specific subset of T-cells, in the contraction of the anti-inflammatory therapies or for treating infections by, e.g. yeast, parasites or fungi

Sequence 30 BP; 6 A; 10 C; 9 G; 5 T; 0 other;

; 0 Length 30; 0; Indels Score 30; DB 19; Pred. No. 7.2e-08; 0; Mismatches 1 CTGACAGAGCCCAACTCTTCGCGGTGGCAG 30 1 CTGACAGAGCCCAACTCTTCGCGGTGGCAG 30 100.001 30; Conservative Local Similarity Query Match Matches g ઠે

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Gaps

RESULT 2

AAV41173 standard; DNA; 20 BP

AAV41173;

08-OCT-1998 (first entry)

RNA component of human telomerase (hTR) antisense oligo 16ab.

RNA component; human telomerase; antisense oligonucleotide; infection; neuroblastoma; bladder cancer; colon cancer; prostate cancer; cancer; contraception; eterilisation; immunosuppression; therapeutic; hTR; immune system down:regulation; anti-inflammatory therapy; ss.

Homo sapiens. Synthetic.

WO9828442-A1

02-JUL-1998.

97WO-US23619 9-DEC-1997; 96US-0770565. 96US-0770564. 20-DEC-1996; 20-DEC-1996;

(GERO-) GERON CORP.

Weinrich SL, Kealey JT, Kim NW, Pruzan R,

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WPI; 1998-377670/32

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Sequences shown in AAV41169 to AAV41181 represent antisense
oligonucleotides to the RNA component of human telomerase (hTR). These
antisense oligonucleotides specifically hybridise to a nucleotide
sequence within an accessible region of the hTR, but that does not
thybridise to a sequence within the template region of hTR. These
component of human telomerase in a sample. This is useful for diagnosing
cancer (especially neuroblastoma, bladder, colon and prostate cancer),
and providing prognosis for a cancer patient. The inhibitory
colonicated scan inhibit the telomerase activity level in a cell by
interfering with transcription of the RNA component, decreasing the
coligonucleotides can into the telomerase holoenzyme, or inhibiting the
colonwers activity of telomerase. These antisense oligonucleotides can
colonwers activity of telomerase activity in both cultured cells and in
cells in vivo. They can be used in therapeutics for treating or
colls in vivo. They can be used in therapeutics for treating or
immunosuppression, and for selectively down-regulating specific branches
con the immune system, e.g. a specific subset of T-cells, in
colls immune system, e.g. a specific subset of T-cells.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             of the immune system, e.g. a specific subset of T-cells, in anti-inflammatory therapies or for treating infections by, e.g. yeast,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 20; DB 19; Length 20;
Pred. No. 0.039;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               66.7%; Sco...
100.0%; Pred. No. ...
0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 20 BP; 5 A; 8 C; 3 G; 4 T; 0 other;
                                                                                     Claim 11; Page 65; 80pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CTGACAGAGCCCAACTCTTC 20
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Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             parasites or fungi
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Matches
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AAV4117

AAV41174 standard; DNA; 20 BP.

AAV41174;

08-OCT-1998 (first entry)

RNA component; human telomerase; antisense oligonucleotide; infection; neuroblastoma; bladder cancer; colon cancer; prostate cancer; contraception; sterilisation; immunosuppression; therapeutic; hTR; component of human telomerase (hTR) antisense oligo 16bc.

immune system down-regulation; anti-inflammatory therapy; ss.

Synthetic

neuroblastoma; contraception;

Homo sapiens.

WO9828442-A1.

02-JUL-1998.

97WO-US23619. 19-DEC-1997; 96US-0770565. 96US-0770564. 20-DEC-1996; 20-DEC-1996;

(GERO-) GERON CORP.

ĭ Pruzan R, Weinrich SL, Kealey JT, Kim NW,

WPI; 1998-377670/32

New polynucleotide(s) anti:sense to human telomerase - used for

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oligonucleotides to the RNA component of human telomerase (hTR). These antisense oligonucleotides specifically hybridise to a nucleotide sequence within an accessable region of the hTR, but that does not hybridise to a sequence within the template region of hTR. These oligonucleotides may specifically be used for detection of an RNA component of human telomerase in a sample. This is useful for diagnosing cancer (especially neuroblastoma, bladder, colon and prostate cancer), and providing prognosis for a cancer patient. The inhibitory cancer (especially neuroblastoma, bladder, colon and prostate cancer), and providing prognosis for a cancer patient. The inhibitory cancer (especially neuroblastoma, bladder, colon and prostate cancer), and providing prognosis for a cancer patient. The inhibitory interfering with transcription of the RNA component, decreasing the cancerfering with transcription of the kNA component transcript, inhibiting the polymerase activity in both cultured cells and in the used for inhibiting telomerase activity in both cultured cells and in cells in vivo. They can be used in therapeutics for treating or immunosuppression, and for selectively down-regulating specific branches of the immune system, e.g. a specific subset of T-cells, in
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               The invention relates to methods for modulating and identifying cellular
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  modulator; GC6 gene; senescent gene expression;
detecting or inhibiting human telomerase, e.g. for treating cancers, contraception, immuno-suppression or treating infection
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    New human GC6 gene, useful for identifying agents for treating diseases and/or conditions associated with cell senescence
                                                                                         Sequences shown in AAV41169 to AAV41181 represent antisense
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 20;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   66.7%; Score 20; DB 19;
100.0%; Pred. No. 0.039;
iive 0; Mismatches 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 20 BP; 3 A; 7 C; 6 G; 4 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Example 5; Page 74; 79pp; English
                                                     Claim 11; Page 65; 80pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             11 CCAACTCTTCGCGGTGGCAG 30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1 CCAACTCTTCGCGGTGGCAG 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       pGC6; human; PCR primer; ss
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       98WO-US24996
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AAX77131 standard; DNA; 26
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       20; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Cellular senescence;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PCR primer hTR S328
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                                                                                                                                                                                                                                                                                                                                                                                                                                                               parasites or fungi.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Synthetic.
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senescence. Recombinant expression vectors comprising a recombinant polymucleotide corresponding to a polymucleotide in a human GCG gene, are useful for altering senescent gene expression. The vectors and host cells comprising the vectors are useful for identifying agents that prevent or modulate senescent gene expression. The polymucleotides are useful for producing the protein, pGCG and nucleic acid derivatives. The proteins encoded are useful for raising antibodies specific for pGCG, which are useful for raising antibodies specific for pGCG, which are useful for isolating pGCG, and for detecting cells comprising pGCG in complex cell mixtures. The characterization of the polymucleotides enable the identification of therapeutic agents that identify and distinguish between young and senescent cells. This enables treatment of aging diseases induced or exacerbated by cellular senescence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          The invention relates to three polymorphic variants of a rat transcriptional regulatory factor Elf-1 (AAB03190-B03192) and nucleic acids encoding them (AAA61645-A61647). The invention also encompasses the use of Elf-1 for regulating the transcription of a gene in an expression vector. The cDNA encoding rat Elf-1 variant #1 (AAA61645) ODNA, and the rat Elf-1 variant #2 and 3# cDNAs (AAA61646-A61647) were subsequently isolated . The Elf-1 cDNA and protein sequences are potentially useful for the prevention and treatment of immunological and allergic diseases mediated by Elf-1. Sequences AAA61648-A61649 represent mouse Elf-1 PCR primers used in an exemplification of the invention to isolate rat Elf-1 variant #1 cDNA.
                                                                                                                                                                                                                                                                                                                                     Gape
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        A transcription regulating factor Elf-1 cDNA and its polymorphism
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polymorphic variant; immunological disease; allergic disease;
PCR primer; 88.
                                                                                                                                                                                                                                                                                               Length 26;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 30;
                                                                                                                                                                                                                                                                                                                                 0; Indels
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Pred. No. 1.1e+02;
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                                                                                                                                                                                                                                                       Sequence 26 BP; 1 A; 8 C; 9 G; 8 T; 0 other;
                                                                                                                                                                                                                                                                             46.7%; Scc. No. ...
100.0%; Pred. No. ...
0; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Mouse Elf-1 reverse PCR primer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAA61649/c
ID AAA61649 standard; DNA; 30 BP.
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                                                                                                                                                                                                                                                                                                                                                                                                           14 CTGACAGAGCCCAA 1
                                                                                                                                                                                                                                                                                                             Local Similarity 100.
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Best Local Similarity
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chromosome 1p36-35; chromosome 21q22.1; genetic analysis;

genome; PCR primer;

Human;

JP2001321190-A. Homo sapiens.

20-NOV-2001,

12-MAR-2001; 2001JP-0068285. 10-MAR-2000; 2000JP-0066716. (RIKA) RIKAGAKU KENKYUSHO. (GENO-) GENOTEX YG.

Human chromosome 1p36-35 PCR primer SEQ ID NO:441

(first entry)

11-APR-2002

ABL43397;

ABL43397 standard; DNA; 20 BP

ABL43397

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                                                                                                                                                                                                                                                                                  regulation, soluble, cell surface receptor; treatment; alloantigen; tissue; organ; rejection; transplant; graft-versus-host disease; human; autoimmune dysfunction; T-cell activation; self antigen; primer; rheumatoid arthritis; diabetes mellitus; multiple sclerosis; ss.
                                                                                                                                                                                                                                                                     receptor; IL-1R; immune response; inflammation;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Regulation of interleukin-1 mediated immune or inflammatory response in mammal - comprises administering soluble IL-1 receptor protein, used in treatment of e.g. graft versus host disease and multiple
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          43.3%; Score 13; DB 19; Length 46; 100.0%; Pred. No. 4.2e+02; ive 0; Mismatches 0; Indels
0; Indels
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Mismatches
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                                                                                                                                                                                                                                     Human Type II IL-1R primer #3.
                                                                                                                                             AAV34750 standard; DNA; 46 BP
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90US-0534193.
90US-0573576.
90US-0627071.
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94US-0242211.
95US-0442043.
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                             6 AGAGCCCAACTCTT 19
                                                                                                                                                                                                       27-AUG-1998 (first entry)
 14; Conservative
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                                                                                                                                                                                                                                                                       II interleukin-1
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                                                                                                                                                                                                                                                                                                                                                                                    Homo sapiens.
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                                                                                                                                                                                                                                                                                                                                                                     Synthetic
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                                                                                                                                                                           AAV34750;
 Matches
                                                                                                               RESULT 6
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Claim 4; Page 13; 528pp; Japanese.

Arraying genome clones WPI; 2002-144136/19.

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The present invention describes a method of arraying genome clones. The method comprises: (a) clones of the genomic libraries contained in method comprises: (a) clones of the genomic libraries contained in can miliwell plates; (b) a primer designed based on the chromosome marker call plates; (b) a primer designed based on the chromosome marker sequence is added to the mixture to carry out an amplification reaction; (c) a signal corresponding to the marker is detected from the resultant camplified product to specify the discrimination Nos. of the multiwell plates containing the clones having said marker sequence; (d) the order of the maximum in the specified discrimination Nos. to array the multiwell plates; (e) the clones in the multiwell plates of the specified corresponding the above primer; (g) signals can lateral directions; (f) the mixed clones are cultured and the call tracetions; (f) the mixed clones are cultured and the creatitate are amplified products; (h) the clones in the multiwell contains are applified broducts; (h) the clones in the multiwell plates are specified from the detected result; and (i) the clones are reconstituted as the positions on the chromosome and arrayed. The mixed contains are present the contain the present of plates are present the contain the present of plates are present the contain the plates are applified by mind ABL42937 to ABL4532 represent processing the present processing the present plates are plates and plates and arrayed. The processing plates are plates and plates and plates are plates and plates and plates and plates and plates are plates and 
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      represent PCR primers for human chromosome 21q22.1, which are specifically claimed for use in the present invention.
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AAZ23852
ID AAZ2
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AC AAZZ
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Gaps

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13; Conservative

Best Local Similarity

Query Match Matches

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This invention describes Secale cereale microsatellite markers based on hypervariable genomic segments of Secale cereale and plants of the tribicate and Poeae. The microsatellite markers comprise a simple sequence repeat (SSR) marker as sequence tag site (STS), defined by two specific S. cereale defined primers, of mean length 18-26 bases and flanking the microsatellite sequence (MSS). Such markers are useful for genetic analysis of rye, triticale and other species of the tribes Triticeae and Poeae, e.g. for DNA fingerprinting; identification of varieties; detecting self or cross fertilization; studying similarity and enaltedness; characterization of cytological lines, or special mapping sort of gene mapping. Particularly, they are useful for genetic mapping and marking of mono- or poly-genic traits, selection and evaluation of varietal purity or checking culture stages (particularly in hybrid culture methods), purity of propagative materials, success of culture methods), purity of propagative materials, success of hybrids. AMX36902-X36965 represent PCR primers used in the method of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Intercellular adhesion molecule 6; ICAM-6; drug screening; therapy; intercellular adhesion; inflammatory process; PCR primer; 88.
                                                                                                                                                                                                                                                                                                                                Microsatellite markers derived from the genome of rrye, useful for genetic mapping as markers of monogenic or polygenic traits
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PCR primer used to amplify a fragment of ICAM-6 nucleic acid.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          40.0%; Score 12; DB 20; Length 21; 100.0%; Pred. No. 1.5e+03; live 0; Mismatches 0; Indels
                                                                                                                                                                                       (GVSE-) GVS GES ERWERB & VERWERTUNG LANDWIRTSCHA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 21 BP; 4 A; 7 C; 4 G; 6 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                       Claim 6; Page 16; 28pp; German.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAX36173 standard; DNA; 24 BP.
                                                                                               98DE-1035109.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   98WO-US22442.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  97US-0955661.
                                                                                                                                         97DE-1043671
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        15-JUL-1999 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Local Similarity 100.
ses 12; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          8 AGCCCAACTCTT 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 AGCCCAACTCTT 12
                                                                                                                                                                                                                                                                                  WPI; 1999-245522/21.
                                                                                                                                                                                                                                        Saal B, Wricke G;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (ICOS-) ICOS CORP
    DE19835109-A1
                                                                                               04-AUG-1998;
                                                                                                                                           02-OCT-1997;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  22-OCT-1997;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 22-OCT-1998;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WO9920762-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     29-APR-1999.
                                                15-APR-1999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAX36173;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RESULT 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAX36173
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  This invention describes novel microsatellite markers (MSM), based on the hypervariable genomic regions of rye (Secale cereale) and of plants from the tribes Triticeae and Poeae. MSW, which are new genetic markers for rye and closely related species, are used for genetic analysis and in breeding programs. Typical applications are in DNA fingerprinting; identification of varieties; detection of self and cross pollination; characterization of cytoplasmic lines, and genetic mapping (of mono- or poly-genic traits). MSW show a higher degree of polymorphism than known markers (both within and between different rye varieties and lines); can be detected by polymerase chain reaction, so that even very small samples may be analyzed, and generate many alleles per marker locus. AAZ2387-Z23886 represent the microsatellite marker PCR primers
                                                                                   Microsatellite marker; rye; hypervariable genomic region; Poeae;
Triticeae; breeding program; DNA fingerprinting; variety; detection;
self pollination; cross pollination; cytoplasmic line; genetic mapping;
polymorphism; PCR primer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Microsatellite; marker; PCR primer; rye; plant; Triticeae; Poeae; simple sequence repeat; SSR; sequence tag site; STS; genetic analysis; DNA fingerprinting; variety identification; self fertilization; detection; cross fertilization; cytological line; gene mapping; monogenic trait; polygenic trait; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 New microsatellite markers for rye and closely related grasses, used for genetic analysis and in breeding
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       .
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 40.0%; Score 12; DB 20; Length 21; 100.0%; Pred. No. 1.5e+03; ive 0; Mismatches 0; Indel8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (GVSE-) GVS GES ERWERB & VERW LANDWIRTSCHAFTLICH.

    Cereale microsatellite marker PCR primer 26.

                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 21 BP; 4 A; 7 C; 4 G; 6 T; 0 other;
                                              Rye mircrosatellite marker 13 PCR primer 2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Claim 6; Page 27; 28pp; German.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAX36927 standard; DNA; 21 BP.
                                                                                                                                                                                                                                                                                                                                                                               98DE-1011506.
                                                                                                                                                                                                                                                                                                                                                                                                                           98DE-1011506
(first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               02-JUL-1999 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    12; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   8 AGCCCAACTCTT 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 AGCCCAACTCTT 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WPI; 1999-591715/51.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Local Similarity
                                                                                                                                                                                                                                      Secale cereale.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Secale cereale
                                                                                                                                                                                                                                                                                  DE19811506-A1
                                                                                                                                                                                                                                                                                                                                                                                                                        17-MAR-1998;
                                                                                                                                                                                                                                                                                                                                                                            17-MAR-1998;
21-JAN-2000
                                                                                                                                                                                                                                                                                                                                21-OCT-1999.
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                                                                                                                                                                                                             Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAX36927;
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Matches

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Gaps

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burnary AAF80328-30 were used to amplify cDNA encoding a human G-protein coupled receptor designated ISS4. IGS4 exists in two polymorphic forms, IGS4A and IGS4B. IGS4 receptors and IGS4 coolymucleotides are useful for preventing, ameliorating or correcting dysfunctions or diseases. These diseases include peripheral nervous system disorders (e.g. schizophrania, episodic paroxysmal anxiety, phobia, Parkinson's disease, migraine, epilepsy, bulimia or stroke), cardiovascular diseases or motility disorders), cheart failure, angina pectoris, myocardial infanction or hypertension), dyslipidemias, bowel disease or motility disorders), osteoporosis, inflammations, infections (e.g. bacterial, fungal, protozoan or viral), pain, cancers, immune disorders, allergies, spiss or syncological disorders of the nervous system, including the effective with regard to disorders of the nervous system, including or system, cardiovascular system, septeme, septemen, septemen, septemen, septemen, septemen, septemen, septemen, septemen, septemen, or immunological disease. The IGS4 polynucleotides
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AA173060 to AA179867 represent isolated human polymorphic polynucleotide agequences (I), which contain single nucleotide polymorphisms (SNPs). AAM53114 to AAM5329 represent peptides related to human polymorphic polynucleotide sequences. The sequences can be used in gene and protein therapy, and in vaccine production. (I) and the polypeptides encoded by
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Human, single nucleotide polymorphism; SNP; genome; gene therapy; protein therapy; vaccine; probe; diagnostic assay; detection; quantitation; restorative therapy; polymorphic; ds.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Polymorphic nucleic acid sequences, useful in genetic testing and
                                                                                                                                                                                                                                                                                                                                                                                                                                          genitourinary system, or immunological disease. The IGS4 polynucl are useful as diagnostic reagents for detecting under-expression,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Human silent SNP containing nucleic acid SEQ:1488.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 12; DB 22; I
Pred. No. 1.6e+03;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               overexpression or altered expression of IGS4.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 26 BP; 1 A; 7 C; 9 G; 5 T; 4 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             100.0%; Pred. ...
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Claim 1, Page 509; 2653pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            30-NOV-1999; 99US-0168138.
29-NOV-2000; 2000US-0726173.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   40.08;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             30-NOV-2000; 2000WO-US32758.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1547/c
AAI74547 standard; DNA; 43
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 09-NOV-2001 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    27
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    5 rerreseseres 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Leach M;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    16 TCTTCGCGGTGG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (CURA-) CURAGEN CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WPI; 2001-356160/37.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Local Similarity
es 12; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WO200140521-A2.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Shimkets RA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           07-JUN-2001.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAI74547;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Matches
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             g
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human, G-protein coupled receptor, IGS4, IGS4B, IGS4B, schizophrenia, nervous system disorder; psychiatric disorder; Parkinson's disease; episodic paroxysmal anxiety; phoblia, migratine; epilepsy; bulimia, stroke, cardicovascular disease, heart failure; angina pectoris; obesity, emesis, motility disorder; myocardial infarction, hypertension; dyslipidemia;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          gastrointestinal disorder; inflammatory bowel disease; osteoporosis; inflammation; infection; pain; cancer; immune disorder; allergy; sepsis; gynecological disorder; PCR primer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 New G-protein coupled receptors and the polynucleotides encoding them, useful for preventing, ameliorating or correcting nervous system disorders, cardiovascular diseases, dyslipidemias, inflammations, pain
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
                                                                                                                                                                                                                                                                                                              involving intercellular adhesion, e.g. in inflammatory processes. The products can also be used for detection, diagnosis and the production of transgenic animals. PCR primers AAX36170-73 were used in the course of the invention.
                                                                                                                                                                                                                                     The specification describes an intercellular adhesion molecule (ICAM)-6 polypeptide. The ICAM-6 polypeptides and polynucleotides can be used for drug screening and developing products for therapy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PCR primer for cDNA encoding the G-protein coupled receptor IGS4.
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                                                                                                              New isolated intercellular adhesion molecule-6 used for, e.g. diagnosis of inflammatory processes
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 24;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Venema J;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match 40.0%; Score 12; DB 20; Length 24
Best Local Similarity 100.0%; Pred. No. 1.5e+03;
Matches 12; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Nys G,
                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 24 BP; 5 A; 5 C; 9 G; 5 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Loeken C,
             Vazeau R;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Example 1a; Page 39; 102pp; English
                                                                                                                                                                                        Example 15; Page 53; 102pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      24-SEP-1999; 99EP-0203140.
24-SEP-1999; 99NL-1013140.
24-UUL-2000; 2000EP-0202683.
31-JUL-2000; 2000US-0222047.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       25-SEP-2000; 2000WO-EP09584
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAF80328 standard; DNA; 26
             Staunton DE,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      2 TGACAGAGCCCA 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 rgacagagccca 12
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WPI; 2001-273568/28.
                                                         WPI; 1999-288308/24.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Homo sapiens.
             Loughney K,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  29-JUN-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     12-APR-2001
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RESULT 11
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Gaps

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Length 26; 0; Indels

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them may be used in the prevention, diagnosis and treatment of diseases associated with inappropriate expression of polymorphic polypeptides.

For example, (I) may be used to treat disorders by rectifying mutations or deletions in a patient's genome that affect the activity of polypeptides by expressing inactive proteins or to supplement the patients own production of polypeptide. Additionally, (I) and its complementary sequences may also be used as DNA probes in diagnostic assays to detect and quantitate the presence of similar nucleic acide in samples, and therefore which patients may be in need of restorative therapy. The polypeptides encoded by (I) may be used as antigens in the antibodies may also be used to down regulate expression and activity. The antibodies may also be used as diagnostic agents for detecting the presence of polymorphic polypeptides in samples.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Human; single nucleotide polymorphism; SNP; genome; gene therapy;
protein therapy; vaccine; probe; diagnostic assay; detection;
quantitation; restorative therapy; polymorphic; ds.
                                                                                                                                                                                                                                           Length 43;
                                                                                                                                                                                                                                                                     0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Human silent SNP containing nucleic acid SEQ:1490.
                                                                                                                                                                                                                                                         1.6e+03;
                                                                                                                                                                                                                 Sequence 43 BP; 10 A; 14 C; 6 G; 13 T; 0 other;
                                                                                                                                                                                                                                         Score 12; DB 22;
Pred. No. 1.6e+03
                                                                                                                                                                                                                                                  100.0%; Pred. ...
                                                                                                                                                                                                                                                                                                                                                                                              AAI74549 standard; DNA; 46 BP.
                                                                                                                                                                                                                                           40.08;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          29-NOV-2000; 2000US-0726173
                                                                                                                                                                                                                                                                                                                                                                                                                                                     (first entry)
                                                                                                                                                                                                                                 Query Match
Best Local Similarity 100.5
                                                                                                                                                                                                                                                                                                3 GACAGAGCCCAA 14
                                                                                                                                                                                                                                                                                                                  28 GACAGAGCCCAA 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Shimkets RA, Leach M;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (CURA-) CURAGEN CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WPI; 2001-356160/37.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WO200140521-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               30-NOV-1999;
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                                                                                                                                                                                                                                                                                                                                                                                                                         AAI74549;
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Claim 1; Page 509; 2653pp; English.

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This invention describes a novel factor VIII polypeptide (I) with factor VIII: Cactivity which has a modification in at least one of the A3, C1 and/or C2 domains of the light chain that modifies binding affinity to low density lipoprotein receptor-related protein (LRP). Independent claims are also included for the following: (I) DNA (II) that encodes (I); (2) an expression vector containing (II); (3) transformed cells and their descendants containing (II); (4) recombinant production of (I) by culturing cells of (C); and (5) pharmaceutical composition containing a factor VIII molecule (Ia) with factor VIII:C activity plus an LRP actor VIII from the blood. (I), optionally formulated with clarance of factor VIII from the blood. (I), optionally formulated with an antagonist of LRP, is used for treatment of coagulation disorders, an antagonist of LRP, is used for treatment of coagulation disorders, an antagonist of LRP, is used for treatment of coagulation disorders, an antagonist coafficially hemophilia A. It may also be used to treat subjects with disorders of the thrombotic or fibrinolytic systems, e.g. before, during or after surgery. Nucleic acid that encodes (I) can be used
complementary sequences may also be used as DNA probes in diagnostic assays to detect and quantitate the presence of similar nucleic acids in samples, and therefore which patients may be in need of restorative therapy. The polypeptides encoded by (1) may be used as antigens in the production of antibodies specific for polymorphic polypeptides. The antibodies may also be used to down regulate expression and activity. The antibodies may also be used as diagnostic agents for detecting the presence of polymorphic polypeptides in samples.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Factor VIII; light chain; LRP; gene therapy; antihemophilic; blood; low density lipoprotein receptor-ralated protein; coagulation disorder; thrombotic system; fibrinolytic system; primer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 New modified form of factor VIII, useful for treating hemophilia, has altered binding to low density lipoprotein-related protein, resulting in extended in vivo half-life
                                                                                                                                                                                                                                                                                                                                 Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Turecek P;
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                                                                                                                                                                                                                                                                              Score 12; DB 22; I
Pred. No. 1.6e+03;
                                                                                                                                                                                                                             Seguence 46 BP; 10 A; 15 C; 6 G; 15 T; 0 other;
                                                                                                                                                                                                                                                                                                                               0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Construct pC2-m9#518 primer P-CC(4).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Example XI; Page 35; 57pp; German.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AAA40237 standard; DNA; 50 BP.
                                                                                                                                                                                                                                                                                                        100.08;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Lenting PJ, Van Mourik JA,
Schwarz H, Scheiflinger F;
                                                                                                                                                                                                                                                                                40.08;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         02-NOV-2000 (first entry)
                                                                                                                                                                                                                                                                                                                               12; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                 28 GACAGAGCCCAA 17
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                                                                                                                                                                                                                                                                                                        Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (BAXT ) BAXTER AG.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WO200028021-A1.
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Best Local s
                                                                                                                                                                                                                                                                                                                                 Matches
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AAM53114 to AAM53129 represent peptides related to human polymorphic polymucleotide sequences. The sequences can be used in gene and protein therapy, and in vaccine production. (I) and the polymeptides encoded by them may be used in the prevention, diagnosis and treatment of diseases associated with inappropriate expression of polymorphic polypeptides. For example, (I) may be used to treat disorders by rectifying mutations or deletions in a patient, s genome that affect the activity of polypeptides by expressing inactive proteins or to supplement the patients own production of polypeptide. Additionally, (I) and its
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Polymorphic nucleic acid sequences, useful in genetic testing and
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of factor VIII protein from the blood, resulting in longer in vivo half-life (particularly at least 90% greater than wild type) and increased stability, in vivo or in vitro. The modifications do not adversely affect procoagulant activity. This sequence represents a primer used in the construction of the plasmid pC2-m9#518 which contains the Pactor VIII light chain C2 region which is described in the method of the
  similarly in gene therapy. The light chain modifications reduce clearance
                                                                                                                                                                                           invention
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Sequence 50 BP; 11 A; 16 C; 15 G; 8 T; 0 other;

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                                    Gaps
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0
            Length 50;
          40.0%; Score 12; DB 21; Length 50
100.0%; Pred. No. 1.6e+03;
iive 0; Mismatches 0; Indels
Query Match
Best Local Similarity 100.
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31 GAGCCCAACTCT 42 7 GAGCCCAACTCT 18 ઠે g

RESULT 15

ABI41062 standard; DNA; 12 BP 22-FEB-2002 (first entry) ABI41062; ABI41062

Oligonucleotide primer SEQ ID NO 341035 for detecting SNP TSC0010735. SNP;

central nervous system; gastrointestinal; respiratory; immune; metabolic. SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS; peptide nucleic acid; cytosine methylation; cardiovascular; primer; 88;

Homo sapiens.

WO200177384-A2.

18-OCT-2001

06-APR-2001; 2001WO-IB00713

07-APR-2000; 2000DE-1019173

(EPIG-) EPIGENOMICS AG.

Berlin K; Olek A, Piepenbrock C,

WPI; 2001-657177/75

Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single nucleotide polymorphisms and cytosine methylation status

Claim 1; SEQ ID 341035; 29pp + Sequence Listing; German.

This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC10010-ABE29989, ABF00010-ABF99989, ABF00010-ABF99989 and NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published_pct_sequences.

Sequence 12 BP; 3 A; 5 C; 1 G; 3 T; 0 other;

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Length 12;
36.7%; Score 11; DB 23; 1 100.0%; Pred. No. 5.7e+03;
Query Match
. Best Local Similarity
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Gaps
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Indels
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0; Mismatches
11; Conservative
                12 CAACTCTTCGC 22
                                 2 caacrerrese 12
Matches
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Search completed: June 23, 2003, 05:43:36 Job time : 201.67 secs

OM nucleic

Run on:

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Sequence 161, Appl
Sequence 17, Appl
Sequence 126, Ap
Sequence 420, Appl
Sequence 23, Appli
Sequence 387, Appl
Sequence 387, Appl
                                                       Sequence 1384, Ap
Sequence 1387, Ap
Sequence 1388, Ap
Sequence 22, Appl
Sequence 12, Appl
Sequence 12, Appl
                                                                                                                                                                                                                                                                               Sequence 11, Appl
Sequence 16, Appl
Sequence 17, Appl
                                                                                                                                                                                                                                                                                                                                       Sequence 8, Appl
Sequence 4, App
                                                                                                                                                                                                                                                                                                                                                                       Sequence 2918,
Sequence 29,
                                                                                                                                                                                                                                                                                                                              Sequence 18,
                             Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Mosley, Bruce A.
Dower, Steven K.
TITLE OF INVENTION: Type II Interleukin-1 Receptors
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
         US-00-824-017-25

US-09-816-875-1384

US-09-818-875-1384

US-09-818-875-1384

US-09-818-875-1387

US-09-818-875-1387

US-10-091-921-022-2

US-10-091-011-45

US-09-915-814-161

US-09-915-814-161

US-09-915-814-161

US-09-915-814-161

US-09-915-814-161

US-09-915-814-161

US-09-915-814-161

US-09-916-814-161

US-09-916-814-161

US-09-916-814-161

US-09-916-814-161

US-09-916-81-18-11

US-09-916-81-18-11

US-09-910-251-16

US-09-930-251-16

US-09-930-251-16

US-09-930-251-16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/09/461,908
FILING DATE: «Unknown»
APPLICATION NUMBER: US/08/091,519
FILING DATE: «Unknown»
APPLICATION NUMBER: US 07/701,415
FILING DATE: 06-UN-1990
APPLICATION NUMBER: US 07/534,193
FILING DATE: 06-UN-1990
APPLICATION NUMBER: US 07/573,576
FILING DATE: 24-AUG-1990
APPLICATION NUMBER: US 07/573,576
FILING DATE: 13-DEC-1990
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                        US-09-808-382-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/199,209
FILING DATE: 19-U11-2002
CLASSIFICATION: <Unknown>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.24
                                                                                                                                                                                                                                                                                                                                                                                                                    ALIGNMENTS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADDRESSEE: Immunex Corporation
STREET: 51 University Street
CITY: Seattle
STATE: WA
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Cosman, David J.
Lupton, Stephen D.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 5, Application US/10199209
Publication No. US2003006016A1
GENERAL INFORMATION:
APPLICANT: Sims, John E.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COMPUTER READABLE FORM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ZIP: 98101
                                                                                                                                                                                                                                                                                                                                                                                                                                                               RESULT 1
US-10-199-209-5
 Sequence 2094, Ap
Sequence 2291, Ap
Sequence 110, App
Sequence 205, App
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 5, Appli
Sequence 31566, A
Sequence 110352,
Sequence 6, Appli
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 3187, Ap
Sequence 65, Appl
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 6, Appli
Sequence 10, Appl
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 97446, A
Sequence 129624,
Sequence 16, App
                                                                                              June 23, 2003, 06:41:29 ; Search time 241.076 Seconds (without alignments) 182.610 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 24,
Sequence 24,
Sequence 29,
Sequence 29,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Description
                                                                                                                                                                                                                                                                                                                                                                                                                          GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-10-199-209-5
US-10-098-263B-31566
US-10-098-263B-110352
US-09-28B-971-6
US-09-28B-971-10
US-09-969-373-3187
US-10-222-334-65
US-09-940-185-2094
US-09-940-185-2291
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-09-992-665-205
US-10-098-263B-97446
US-10-098-263B-129624
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US-09-824-017-24
US-09-986-118A-24
US-10-002-050-29
US-10-002-304-29
                                                                                                                                                                                       1 CTGACAGAGCCCAACTCTTCGCGGTGGCAG 30
                                                                                                                                                                                                                                                                                                                        Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        US-09-118-276-16
                                                                                                                                                                                                                                                                1042519 segs, 733713590 residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SUMMARIES
                                                                                                                                                                                                                                                                                                                                                                                                   Post-processing: Listing first 45 summaries
                                                                     nucleic search, using sw model
                                                                                                                                                                                                                   OLIGO_NUC
Gapop_60.0 , Gapext 60.0
                                                                                                                                                     US-08-770-564A-5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query
Match Length
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Word size :

Searched:

Sequence:

Database :

8 6 0 1 2 2 1 2 2 1 6 1

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Result

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US-09-288-971-6/c
| Sequence 6, Application US/09288971
| Sequence 6, Application No. US20030036055A1
| Publication No. US20030036055A1
| GENERAL INFORMATION:
| APPLICANT: Sorge, Joseph A. |
| TITLE OF INVENTION: SEQUENCES |
| FILE REPRENCE: 0411.0117 |
| CURRENT APPLICATION NUMBER: US/09/288,971 |
| CURRENT PILING DATE: 1999-04-09 |
| NUMBER OF SEQ ID NOS: 26 |
| SOFTWARE: Patentin Ver. 2.0 |
| SEQ ID NO 6 |
| LENGTH: 31
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    RESULT 5
US-09-288-971-10

i Sequence 10, Application US/09288971

i Sequence 10, No. US2030036055A1

i GENERAL INFORMATION:

i APPLICANT: Sorge, Joseph A.

i TILLE OF INVENTION: METHODS AND KITS TO ENRICH FOR DESIRED NUCLEIC ACID

i TILLE OF INVENTION: METHODS AND KITS TO ENRICH FOR DESIRED NUCLEIC ACID

i TILLE OF INVENTION: MEDURORS

i FILE REFERENCE: 04121.0117

i CURRENT PAPLICATION NUMBER: US/09/288,971

i CURRENT FILING DATE: 1999-04-09

i NUMBER OF SEQ ID NOS: 26

i SOFFWARE PARENTIN Ver. 2.0
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7.1e+02;
                                                         DB 9; Le
7.3e+02;
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Pred. No. 7.1e+02;
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                                                            40.0%;
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Best Local Similarity 100.
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Best Local Similarity 100.
Matches 12; Conservative
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                                                                                                      Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ) TYPE: DNA
) ORGANISM: Rattus rattus
US-09-288-971-10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ; TYPE: DNA
; ORGANISM: Rattus rattus
US-09-288-971-6
                                                                                                                                                10 CCCAACTCTTCG
; ORGANISM: Homo sapien
US-10-098-263B-110352
                                                            Query Match
Best Local Similarity
Matches 12; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RESULT 6
US-09-969-373-3187
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICATION MICHAEL
TITLE OF INVENTION: Human Microarray
FILE REFERENCE: 3118.1
CURRENT APPLICATION NUMBER: US/10/098,263B
CURRENT FILING DATE: 2003-01-08
PRIOR APPLICATION NUMBER: 60/276,759
PRIOR PILING DATE: 2001-03-16
NUMBER OF SEQ ID NOS: 131066
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NUMBER OF SEQ ID NOS: 131066
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 25;
                                                                                                                                                                                                                                                                                                                                                                                       Length 46;
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40.0%; Score 12; DB 9; Lv
Best Local Similarity 100.0%; Pred. No. 7.3e+02;
Matches 12; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                Query Match
43.3%; Score 13; DB 9; Le
Best Local Similarity 100.0%; Pred. No. 1.7e+02;
Matches 13; Conservative 0; Mismatches 0;
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    NAME: Wight, Christopher L.
REGISTRATION NUMBER: 31680
REFERENCE/DOCKET NUMBER: 2003-C
                                                                                                                                                                                                                                                                                            ANTI-SENSE: N SEQUENCE DESCRIPTION: SEQ ID NO: 5: US-10-199-209-5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 31566, Application US/10098263B Publication No. US20030104410A1 GENERAL INFORMATION:
                                                                TELECOMMUNICATION INFORMATION TELEPHONE: 206-587-5570
                                                                                                                                                                                                                                         TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
                                                                                                        TELEFAX: 206-233-0644
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                      LENGTH: 46 base pairs
                                                                                                                                                                                            TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            13 AACTCTTCGCGGT 25
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US-10-098-263B-31566
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SEQ ID NO 110352
LENGTH: 25
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LENGTH: 25
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Sequence 110, Application US/09898779
Fatent No. US20020106657A1
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Maren T. Scheuner (Inventor)
APPLICANT: Maren T. Scheuner (Inventor)
APPLICANT: Maren T. Scheuner (Inventor)
APPLICANT: Huiying Yang (Inventor)
TITLE OF INVENTION: Genetic Test to Determine
TITLE OF INVENTION: No. US20020106657A1-responsiveness to Statin Drug Treatment
FILE REFERENCE: 18810-82302
CURRENT APPLICATION NUMBER: US/09/898,779
CURRENT FILING DATE: 2001-07-03
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TTILE OF INVENTION: Probes and Decoder Oligonucleotides
FILE REFERENCE: A-69605-11
FULL REPERENCE: A-69605-11
FULL REPERENCE: A-69605-11
FULL REPERENCE: A-69605-12
FULL REPERENCE: A-69605-12
FULL REPERENCE: A-69605-13
FULL REPERENCE: A
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ) OTHER INFORMATION: Computer Generated Probe Sequence.
US-09-940-185-2291
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Pred. No. 2.9e+03;
0; Mismatches 0;
                 FILING DATE: 2000-08-25
APPLICATION NUMBER: US 60/228,854
FILING DATE: 2000-08-29
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ; Sequence 2291, Application US/09940185
Publication No. US20030096239A1
; GENERAL INFORMATION:
APPLICANT: Gunderson, Kevin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PRIOR APPLICATION NUMBER: 09/347,114
PRIOR FILING DATE: 1999-07-02
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100.0%; Pre
      PRIOR FILING DAIE: ..... PRIOR APPLICATION NUMBER: US 60/2; PRIOR FILING DATE: 2000-08-29; NUMBER OF SEQ ID NOS: 4768; SOFTWARE: Patentin version 3.1; SEQ ID NO 2094
                                                                                                                                                                                                                                           TYPE: DNA
ORGANISM: Artificial Sequence
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ORGANISM: Artificial Sequence
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Best Local Similarity 100.
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Matches 11; Conservative
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US-09-940-185-2291
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Sequence 65, Application US/10222334
Bequence 65, Application US/10222334
Bequence 65, Application WS/2030073116A1
GENERAL INFORMATION:
APPLICANT: Ginsburg, David
APPLICANT: Teai, Han-Mou
TITLE OF INVENTION: ADAMTS13 Genes and Proteins and Variants, and Uses Thereof
TITLE OF INVENTION: ADAMTS13 Genes and Proteins and Variants, and Uses Thereof
CURRENT PILING DATE: 2002-08-16
FRIOR PILING DATE: 2001-08-16
NUMBER OF SEQ ID NOS: 78
SOFTWARE PARED MOS: 78
SOFTWARE PARED MOS: 78
SOFTWARE PARED MOS: 78
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APPLICANT: Effertz, Roger J.
APPLICANT: Hauge, Brian M.
ITILE OF INVENTION: Soybean SSRs and Methods of Genotyping
FILE REFERENCET: 38-10(52679) A.
CURRENT APPLICATION NUMBER: US/09/969,373
CURRENT APPLICATION NUMBER: US 09/954,853
FRIOR APPLICATION NUMBER: US 09/754,853
FRIOR APPLICATION NUMBER: US 09/756,427
FRIOR PILING DATE: 2001-01-13
FRIOR PILING DATE: 2001-01-13
FRIOR PILING DATE: 2001-01-15
FRIOR FILING DATE: 2001-05-15
NUMBER OF SEQ ID NOS: 4593
SEQ ID NO 3187
LENGTH: 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       36.7%; Score 11; DB 10; Length 18; 100.0%; Pred. No. 3e+03; 1ve 0; Mismatches 0; Indels
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Publication No. US20030096239A1
GENERAL INFORMATION:
APPLICANT: Gunderson, Kevin
APPLICANT: Chee, Mark
TITLE OF INVENTION: Probes and Decoder Oligonucleotides
FILE REFERENCE: A-69605-1
CURRENT APPLICATION NUMBER: US/09/940,185
CURRENT FILING DATE: 2001-08-27
PRIOR APPLICATION NUMBER: US 60/227,948
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Best Local Similarity 100.
Matches 11; Conservative
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Best Local Similarity 100.
Matches 11; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ; TYPE: DNA
; ORGANISM: Glycine max
US-09-969-373-3187
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LENGTH: 21
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3 CTCTTCGCGGT 13
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US-09-118-276-16
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; Publication No. US200300920091
; GENERAL INFORMATION:
; GENERAL INFORMATION:
; APPLICANT: Kaia Palm
; TITLE OF INVENTION: DIAGNOSIS AND TREATMENT OF NEOPLASTIC DISEASE
; TITLE OF INVENTION: DIAGNOSIS AND TREATMENT OF NEOPLASTIC DISEASE
; TITLE OF INVENTION: DIAGNOSIS AND TREATMENT OF NEOPLASTIC DISEASE
; CURRENT APPLICATION NUMBER: US/09/992,665
; CURRENT APPLICATION NUMBER: 00/249,508
; PRIOR APPLICATION NUMBER: 00/249,508
; PRIOR PILING DATE: 2000-11-16
; NUMBER OF SEQ ID NOS: 380
; SEQ ID NOS: 380
; SEQ ID NO 205
; LENGTH: 25
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TITLE OF INVENTION: Human Microarray
FILE REFERENCE: 3118.
FILE REFERENCE: 318.
CURRENT PILING DATE: 2003-01-08
PRIOR APPLICATION NUMBER: 00/276,759
PRIOR PILING DATE: 2001-03-16
NUMBER OF SEQ ID NOS: 131066
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 97446
LENGTH: 25
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Best Local Similarity 100.0%; Pred. No. 2.9e+03;
Matches 11; Conservative 0; Mismatches 0;
    SOFTWARE: FastSEQ for Windows Version 4.0 SEQ ID NO 110 LENGTH: 24
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Best Local Similarity 100.
Matches 11; Conservative
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Best Local Similarity 100.
Matches 11; Conservative
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; ORGANISM: Homo Bapien
US-10-098-263B-97446
                                                                                              CRGANISM: Homo sapiens
US-09-898-779-110
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DD 3 CTCTTCGCGGT 13

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MESULT 13

MESULT 14

MESULT 14

MESULT 15

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Sequence 12, Application US/08961888
| Sequence 12, Application US/08961888
| Patent No. US20010016351A1
| GENERAL INFORMATION:
| APPLICANT: Padgett, Kerstien
| APPLICANT: Padgett, Kerstien
| APPLICANT: Sorge, Joseph
| TITLE OF INVENTION: No. US20010016351A1e1 Vector For Gene Expression
| TITLE OF INVENTION: No. US20010016351A1e1 Vector For Gene Expression
| TITLE OF INVENTION: No. US20010016351A1e1 Vector For Gene Expression
| TITLE OF INVENTION: No. US20010016351A1e1 Vector For Gene Expression
| TITLE OF INVENTION: NO. US20010016351A1e1 Vector For Gene Expression
| TITLE OF INVENTION: NO. US20010016351A1e1 Vector For Gene Expression
| TITLE OF INVENTION DATA:
| MDDRESSEE HOWNERS FORM: NO. STATE: COMPUTER READABLE FORM: NO. STATE: COMPUTER READABLE FORM: NO. STATE: DOS COMPUTER READABLE FORM: NO. STATE: DOS COMPUTER INH COMPATION DATA: APPLICATION NUMBER: US/08/961,888 CLASSIFICATION: WABER: US/08/961,888 FILING DATE: CLASSIFICATION NUMBER: FILING DATE: FILING DATE
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                                                                                                               Query Match 36.7%; Score 11; DB 10; Length 26; Best Local Similarity 100.0%; Pred. No. 2.9e+03; Matches 11; Conservative 0; Mismatches 0; Indels
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36.7%; Score 11; DB 8; Le
Best Local Similarity 100.0%; Pred. No. 2.8e+03;
Matches 11; Conservative 0; Mismatches 0;
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REGISTRATION NUMBER: 32,680
REFRENCE/DOCKET NUMBER:
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202 383-7451
TELEFAX: 202 383-6610
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           INFORMATION FOR SEQ ID NO: 12:
SEQUENCE CHARACTERISTICS:
LENGTH: 36 base pairs
TYPE: mucleic acid
STRANDENESS: single
TOPOLOGY: linear
US-08-961-888-12
                                                                                                                                                                                                                                                                               10 CCCAACTCTTC 20
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    LINEAR
, TOPOLOGY:
US-09-118-276-16
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Search completed: June 23, 2003, 20:01:30 Job time: 242.076 secs

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Sequence 7, Appli
Sequence 33, Appli
Sequence 5, Appli
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Sequence 451, Appli
Sequence 451, Appli
Sequence 421, Appli
Sequence 2, Appli
Sequence 6, Appli
Sequence 24, Appli
Sequence 25, Appli
                                                                 June 23, 2003, 04:53:08 ; Search time 46.9721 Seconds (without alignments) 195.867 Million cell updates/sec
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/cgn2_6/ptodata/2/ina/5B_COMB.seq:*
/cgn2_6/ptodata/2/ina/6A_COMB.seq:*
/cgn2_6/ptodata/2/ina/6B_COMB.seq:*
/cgn2_6/ptodata/2/ina/PCTUS_COMB.seq:*
/cgn2_6/ptodata/2/ina/PCTUS_COMB.seq:*
GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.
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US-08-091-519-5
US-08-106-0438-5
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US-08-206-0438-5
US-08-273-776-12
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US-08-358-995-2
US-08-913-547-3
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US-08-495-743-60
US-08-495-739-60
US-08-495-741-60
                                                                                                                                           CTGACAGAGCCCAACTCTTCGCGGTGGCAG 30
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-08-062-023-60
-08-944-368A-24
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US-08-770-565-6
US-08-770-565-7
US-08-974-180-33
                                                                                                                                                                                                                                                    Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                     441362 segs, 153338381 residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SUMMARIES
                                                                                                                                                                                                                                                                                                                 Post-processing: Listing first 45 summaries
                                              - nucleic search, using sw model
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Gapop_60.0., Gapext 60.0
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                                                                                                                US-08-770-564A-5
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Match Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Minimum DB seq length: 0 Maximum DB seq length: 50
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Perfect score:
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Sequence Seq		nt of	, 0
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42 4 US-09-051-363-23 11 1 US-07-78-233B-3 11 1 US-07-78-231B-3 11 1 US-08-290-641-3 11 1 US-08-290-641-3 11 1 US-08-548-540-3 11 2 US-08-292-620A-1733 17 2 US-08-292-620A-1733 17 4 US-08-292-52-1 18 1 US-08-599-252-1 18 1 US-08-599-252-1 18 4 US-09-050-159-5 18 5 PCT-US66-06583-1 20 2 US-08-473-020A-14 20 2 US-08-473-020A-14 20 2 US-08-473-020A-14	ALIGNMENTS	B.T. ld oct L. hods for Detecting the RNA omerase nd TOWNSEND and CREW LLP ro Center, 8th Floor bos/Ms-Dos lease #1.0, Version #1.30 s/ 108/770,565 996 N: R: 015389-002300US ATTON: 5:	100.0%; Score 30; DB 2; Length 100.0%; Pred. No. 7.5e-09; Live 0; Mismatches 0; Indel
C 28 C 29 C 31 C 31		RESULT 1 US-08-770-565-5 Sequence 5, Application US/0877056 Sequence 5, Application US/0877056 Patent No. 5846723 GENERAL INFORMATION: APPLICANT: Kim, Nam Woo APPLICANT: Wealey, James T. APPLICANT: Wealey, James T. APPLICANT: Weinrich, Scott L. TITLE OF INVENTION: Methods for TITLE OF INVENTION: Telomerase NUMBER OF SEQUENCES: 26 CORRESPONDENCE ADDRESS: COURTES OF SEQUENCES: 26 COUNTRY: USA ZIP: San Francisco STREET: Two Embarcadero Cent. CITY: San Francisco STREET: Two Embarcadero Cent. COUNTRY: USA ZIP: ABADABLE FORM: MEDIUM TYPE: Floppy disk COMPUTER: IBM PC COMPACHION SOFTWARE: PatentIn Release # COMPUTER: LIBM PC COMPACHION MEDIUM TYPE: Ploppy disk COMPUTER: LIBM PC COMPACHION SOFTWARE: PatentIn Release # COMPTANY: USA ATCONNOY/AGENT INFORMATION: FILING DATE: 20-DEC-1996 CLASSIPRICATION NUMBER: 015: FELEPAK: A15-576-0300 INFORMATION FOR SEQ ID NO: 5: SEQUENCE CHARACTERISTICS: LENGTH: 30 base pairs TYPE: MULLEIC ATER: DNA US-08-770-565-5	Query Match Best Local Similarity 100 Matches 30; Conservative

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Sequence 33, Application US/08974180
; Sequence 33, Application US/08974180
; Patent No. 6025194
; GENERAL INFORMATION:
    TITLE OF INVENTION: Methods for Modulating and Identifying TITLE OF INVENTION: Cellular Senescence
    NUMBER OF SEQUENCES: 36
CORRESPONDENCE ADDRESS:
    ADDRESSEE: Geron Corporation
    STREET: 230 Constitution Drive
    CITY: Menlo Park
    STATE: California
    COUNTY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             66.7%; Score 20; DB 2; Length 20; 100.0%; Pred. No. 0.0048;
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MEDLUM TYPE: Floppy disk
COMPUTER: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Paceful IN Release #1.0, Version #1.30
CURRENT APPLICATION NUMBER: US/08/974,180
FLILNG DATE: 19-NOV-1997
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Kaster, Kevin R.
REGISTRATION NUMBER: 32,704
REFERENCE/DOCKET NUMBER: 206
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                 CURRENT APPLICATION DATA:
CURRENT APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE: 20-DEC-1996
CLASSIFICATION 1435
ATTORNEY/AGENT INFORMATION:
NAME: SCOTELLA, JOHN R.
REGISTRATION NUMBER: 32,944
REGISTRATION NUMBER: 32,944
REGISTRATION NUMBER: 32,944
REJECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION I
Two Embarcadero Center, 8th Floor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         100.0%; Pred. No.
                                                                                                                                                                                                                                            COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        11 CCAACTCTTCGCGGTGGCAG 30
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                                                                                                                             ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TELEFAX: (650) 473-8654
INFORMATION FOR SEQ ID NO: 3
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity 100.
Matches 20; Conservative
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                                       San Francisco
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: nucleic acid
STRANDEDNESS: sing
                                                                   California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               linear
                                                                                                           USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TOPOLOGY: li
MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                RESULT 4
US-08-974-180-33/C
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                                                                                                    COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            셤
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NO. 565-7
Sequence 7, Application US/08770565
Sequence 7, Application US/08770565
Sequence 7, Application US/08770565
Sequence 7, Application US/08770565
Sequence 7, Application:
MAPPLICANT: Kim, Nam Woo
APPLICANT: Wu, Faley, James T.
APPLICANT: Weinrich, Scott L.
APPLICANT: Weinrich, Scott L.
TITLE OF INVENTION: Telomerase
NUMBER OF SEQUENCES: 26
CORRESPONDENCES: 26
CORRESPONDENCES: 26
ALDRESSEE: TOWNSEND and TOWNSEND and CREW LLP
                                                                                                                                                                                                                                                                                                                APPLICANT: Wim, Nam Woo
APPLICANT: Wim, Fred
APPLICANT: Wim, Fred
APPLICANT: Wealey, James T.
APPLICANT: Pruzan, Ronald
APPLICANT: Pruzan, Scott L.
TITLE OF INVENTION: Methods for Detecting the RNA Component of
TITLE OF INVENTION: Telomerase
TITLE OF INVENTION: Telomerase
CORRESPONDENCE ADDRESS:
ADDRESSEE: TOWNSEND and TOWNSEND and CREW LLP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 20; DB 2; Length 20; Pred. No. 0.0048; 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ALDERESEE:
ALDERESEE:
ALDERESEE:
Two Embarcadero Center, 8th Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/770,565
FILING DATE: 20-DEC-1996
CLASSFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
REGISTRATION NUMBER: 32,944
REGISTRATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 015389-002300US
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match 66.7%; Score 20; DB.
Best Local Similarity 100.0%; Pred. No. 0.0
          1 CTGACAGAGCCCAACTCTTCGCGGTGGCAG 30
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                                                                                                                                                                                                                   Sequence 6, Application US/08770565
Patent No. 5846723
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    INFORMATION FOR SEQ ID NO: 6: SEQUENCE CHARACTERISTICS: LENGTH: 20 base pairs TYPE: nucleic acid STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TOPOLOGY: linear; MOLECULE TYPE: DNA US-08-770-565-6
                                                                                                                                                         RESULT 2
US-08-770-565-6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    RESULT 3
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PPLICATION NUMBER: US/08/106,507
FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    43.3%; Score 13; DB 100.0%; Pred. No. 55; ive 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08 07/941,648
FILING DATE: 08-SEP-1952
ATTORNEY/AGENT INFORMATION:
NAME: WIGHT, CHRISTOPHER.
REFERENCE/DOCKET NUMBER: 31,680
REFERENCE/DOCKET NUMBER: 2809-A
TELECHONE: 266-587-6430
INFORMATION FOR SEQ. ID NO: 7:
SEQUENCE CHARACTERISTICS:
                                                     APPLICATION NUMBER: US 07/573,576 FILING DATE: 24-AUG-1990 PRIOR APPLICATION DATA APPLICATION NUMBER: US 07/627,071
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: BECKMANN, M. P.
APPLICANT: GODWIN, RAYMOND G.
APPLICANT: GIRI, JUDITH G.
APPLICANT: ARMITAGE, RICHARD J.
TITLE OF INVENTION: CD27 LIGAND
NUMBER OF SEQUENCES: 10
CORRESPONDENCE ADDRESS:
ADDRESSEE: IMMUNEX CORPORATION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        43.33,
100.0%; Pre
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                                                                                                                                                                          NAME: Wight, Christopher L. REGISTRATION NUMBER: 31680
REFERENCE/DOCKET NUMBER: 20
TELECOMMUNICATION INFORMATION: TELEPHONE: 206-587-5570
                                                                                                                                                                                                                                                                                                                                                                                                  TOPOLOGY: linear MOLECULE TYPE: DNA (genomic) HYPOTHETICAL: N
                FILING DATE: 06-JUN-1990 PRIOR APPLICATION DATA:
                                                                                                                                      FILING DATE: 13-DEC-1990 ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity 100.
Matches 13; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            25 AACTCTTCGCGGT 37
                                                                                                                                                                                                                                                                       TELEFAX: 206-233-0644
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     13 AACTCTTCGCGGT 25
                                                                                                                                                                                                                                                                                                                                                            nucleic acid
EDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADDALL STREET: DALLETTY: SEATTLE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  USA
                                                                                                                                                                                                                                                                                                                                                                             STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                            , ANTI-SENSE: N
US-08-091-519-5
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                                                                                                                                                                                                                     46.7%; Score 14; DB 3; Length 26; 100.C%; Pred. No. 15; tive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 DB 6; Length 45;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: Sims, John E.
APPLICANT: Cosman, David J.
APPLICANT: Lupton, Stephen D.
APPLICANT: Mosley, Bruce A.
APPLICANT: Mosley, Bruce A.
APPLICANT: Dower, Steven K.
TITLE OF INVENTION: Type II Interleukin-1 Receptors
CORRESPONDENCE ADDRESS:
ADDRESSEE: Immunex Corporation
                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: MALIISZEWSKI; CHARLES R.
TITLE OF INVENTION: DNA ENCOGING IGA FC RECEPTORS
NUMBER OF SEQUENCES: 9
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/548,059
FILING DATE: 05-JUL-1990
                                                                                                                            ; LOCATION: 1..26
; OTHER INFORMATION: /riote= "primer hTR S328"
US-08-974-180-33
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
46.7%; Score 14; DB 6
Best Local Similarity 100.0%; Pred. No. 15;
Matches 14; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/07/701,415
FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SOFTWARE: Patentin Release #1.24
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/091,519
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ZIP: 98101
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADDRESSEE: Immunex Corporation
STREET: 51 University Street
CITY: Seattle
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-08-091-519-5
; Sequence 5, Application US/08091519
Patent No. 5350683
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                    1 CTGACAGAGCCCAA 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                12 CAACTCTTCGCGGT 25
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                                                                                                                                                                                                                                                                                                                             14 CTGACAGAGCCCAA 1
                                                                                                                                                                                                                     Query Match
Best Local Similarity 100.
Matches 14; Conservative
LENGTH: 26 base; pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                     TOPOLOGY: linear
MOLECULE TYPE: DNA
FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              USA
                                                                                                                                                                                                                                                                                                                                                                                                                                           5198342
                                                                                                                        NAME/KEY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     LENGTH: 45
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SEQ ID NO: 4
                                                                                                                                                                                                                                                                                                                                                                                                                                             ; Patent No.
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APPLICANT: Sims, John E.
APPLICANT: Cosman, David J.
APPLICANT: Lupton, Stephen D.
APPLICANT: Mosley, Bruce A.
APPLICANT: Mosley, Bruce A.
APPLICANT: Dower, Steven K.
TITLE OF INVENTION: Type II Interleukin-1 Receptors
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSEE: Immunex Corporation
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   OPERATING SYSTEM: K-LUDS/NDS-LUDS
SOFTWARE: Patentin Release #1.24
CUBRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US91/03478
FILING DATE: 19910517
CLASSIFICATION: 435
PRIOR APPLICATION HAR:
APPLICATION NUMBER: US 07/534,193
FILING DATE: 06-JUN-1990
PRIOR APPLICATION NUMBER: US 07/573,576
FILING DATE: 24-AUG-1990
PRIOR APPLICATION NUMBER: US 07/627,071
FILING DATE: 13-DEC-1990
ATTORNEY/AGENT INFORMATION:
NAME: Wight, Christopher L.
RECISTRATION NUMBER: 31680
REFERENCE/DOCKET NUMBER: 31680
REFERENCE/DOCKET NUMBER: 2003-WO
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               STREET: 51 University Street CITY: Saattle STATE: WA COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ZIP: 98101
COMPUTER READBLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Relase.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PCT-US91-03478-5; Sequence 5, Application PC/TUS9103478; GENERAL INFORMATION:
                                                                                                                                                                                        MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: N
ANTI-SENSE: N
US-08-442-043A-5
                                          LENGTH: 46 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           13 AACTCTTCGCGGT 25
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 46 base pairs
                                                                                                                                                                                                                                                                                                                                                                                   Best Local Similarity 100.
Matches 13; Conservative
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TYPE: NUCLEIC ACID
STRANDEDNESS: single
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HYPOTHETICAL: N
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PCT-US91-03478-5
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RESULT 8
US-08-442-043A-5
; Sequence 5. Application US/08442043A
; Patent No. 5767064
; GENERAL INFORMATION:
; APPLICANT: Sims, John E.
; APPLICANT: Lupton, Stephen D.
; APPLICANT: Mosley, Bruce A.
; APPLICANT: Dower, Stephen D.
; APPLICANT: Dower, Steven K.
; TITLE OF THE OF THE SEQUENCES: 19
; UNMBER OF SEQUENCES: 19
; CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COUNTER READABLE FORM:

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.24
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/442,043A
FILING DATE: 16-MAY-1995
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/534,192
FILING DATE: US-0-UN-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/573,576
FILING DATE: 13-DEC-1950
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/627,071
FILING DATE: 13-DEC-1950
PRIOR APPLICATION NUMBER: US 07/701,415
FILING DATE: 13-DEC-1950
PRIOR APPLICATION NUMBER: US 08/091,519
FILING DATE: 13-MAY-1991
APPLICATION NUMBER: US 08/242,211
FILING DATE: 13-MAY-1994
APPLICATION NUMBER: US 08/242,211
FILING DATE: 13-MAY-1994
ATTORNEY, AGENT INFORMATION:
NAME: PEKKING DATE: 13-MAY-1994
ATTORNEY, AGENT INFORMATION:
NAME: PEKKING PARCY NUMBER: 34,693
REFERENCE/DOCKET NUMBER: 2003-F
TELEROMMUNICATION INUMBER: 2003-F
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADDRESSEE: Immunex Corporation
STREET: 51 University Street
CITY: Seattle
                                                                                                                       MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTT-SENSE: NO
IMMEDIATE SOURCE:
CLONE: oligonucleotide
US-08-106-507-7
                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity 100.0
Matches 13; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    13 AACTCTTCGCGGT 25
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         206-233-0644
            46 base pairs
                                          TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  USA
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STATE: WA
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Pred. No. 8.1e+02;
3; Mismatches 0; Indels
                                                                                                                                                                                                                          APPLICANT: James FLOURD APPLICANT: Sean Sullivan APPLICANT: Sean Sullivan APPLICANT: Kenneth G. Draper TITLE OF INVENTION: RIBOZYME TREATMENT OF TITLE OF INVENTION: DISEASES OR CONDITIONS TITLE OF INVENTION: RELATED TO LEVELS OF TITLE OF INVENTION: INTRACELLULAR ADHESION TITLE OF INVENTION: INTRACELLULAR ADHESION TITLE OF INVENTION: INTRACELLULAR ADHESION TITLE OF TANKENTION: INTRACELLULAR ADHESION TITLE OF TANKENTION TITLE OF TANKENT TITLE TANKENT TITLE TANKENT TITLE OF TANKENT TITLE TANKE
                                                                                                                                                                                                                                                                                                                                                                             TITLE OF INVENTION: RIBOZYME TREATMENT O TITLE OF INVENTION: DISABASES OR CONDITION TITLE OF INVENTION: RELATED TO LEVELS OF TITLE OF INVENTION: INTRACELLULAR ADHESIC INVENTION: MOLECULE-1 (I-CAM-1) NUMBER OF SEQUENCES: 2390 CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ZIP: 90071-2066

COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION NUMBER: US/09/071,845
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/29, 620
FILING DATE: August 17, 1994
APPLICATION NUMBER: 08/08, 895
FILING DATE: January 19, 1993
APPLICATION NUMBER: 07/989, 849
FILING DATE: December 7, 1992
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard J.
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 208/149
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION 1899-1600
TELECOMMUNICATION 1899-1600
                          Sequence 451, Application US/09071845
Patent No. 6132967
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              RESULT 12
US-08-273-776-12
; Sequence 12, Application US/08273776
; Patent No. 5510084
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
STREET: Suite 4700
CITY: Los Angeles
STATE: Callfornia
                                                                                                                   GENERAL INFORMATION:
APPLICANT: Susan Trimm
APPLICANT: Dan T. Stinchcomb
APPLICANT: James McSwiggen
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            36.7%;
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Best Local Similarity 72.7
Matches 8; Conservative
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           nucleic acid
EDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      10 CCCAACTCTTC 20
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US-09-071-845-451
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ò
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Gaps

Score 11; DB 2; Length 15; Pred. No. 8.1e+02; 3; Mismatches 0; Indels

Query Match
Best Local Similarity 72.7
Matches 8; Conservative

10 CCCAACTCTTC 20

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Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  GENERAL INFORMATION:

APPLICANT: ALLO YAMANE

APPLICANT: ALLO YAMANE

TITLE OF INVENTION: Microtiter Well For Detecting
TITLE OF INVENTION: Nucleic Acid
NUMBER OF SEQUENCES: 29

CORRESPONDENCE ADDRESS:

ADDRESSEE: Wenderoth, Lind & Ponack
STREET: 805 Fifteenth Street, N.W., #700

CITY: Washington
STATE: D.C.

COUNTRY: U.S.A.
                                CIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/255,892
FILING DATE: US/08/255,892
FILING DATE: 11-FEB-1992
ATTORNEY/AGENT INFORMATION:
NAME: DEAVER, DONALD B.
REFERENCE/DOCKET NUMBER: 1032/94109
TELEPRATION INFORMATION:
TELEPRANICATION INFORMATION:
TELEPRANICATION INFORMATION:
TELEPRANICATION INFORMATION:
TELEPRANICATION SEQ 1D NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        36.7%; Score 11; DB 1; L6 100.0%; Pred. No. 8.1e+02; tive 0; Mismatches 0;
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ZIP: 12005
ZIP: 2006
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 5.25 inch, 500
COMPUTER: IBM Compatible
OPERATING SYSTEM: MS-DOS
SOFTWARE: Wordperfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/358,995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        FILING DATE:
CLASSIFTCATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/004,572
FILING DATE: January 14, 1993
APPLICATION NUMBER: 07/722,673
FILING DATE: June 28, 1991
ATTORNEY/AGENT INFORMATION:
NAME: Warren M. Cheek Jr.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   MOLECULE TYPE: DNA (genomic) US-08-255-892-42
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Ouery Match
Best Local Similarity 100.
Matches 11, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      LENGTH: 18 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      3 GACAGAGCCCA 13
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                 COUNTRY: US
ZIP: 20005
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US-08-358-995-2/c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ò
            APPLICANT: Cros, Phillippe
APPLICANT: Allibert, Patrice Andre
APPLICANT: Allibert, Patrice Andre
APPLICANT: Dalbon, Pascal Thierry
TITLE OF INVENTION: Process for Immobilizing a Nucleic Acid
TITLE OF INVENTION: Fragment by Passive Attachement to a Solid Substrate, the
TITLE OF INVENTION: Solid Substrate thus Obtained and Its Use.
NUMBER OF SEQUENCES: 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ô
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Patent No. 5695926
GENERAL INFORMATION
APPLICANT: ALLIBERT, PATRICE
APPLICANT: MALLET, FRANCOIS
APPLICANT: MALLET, FRANCOIS
APPLICANT: MABILAT, CLAUDE
APPLICANT: MANDRAND, BERNARD
TITLE OF INVENTION: FROCEDURE FOR DETECTION OF A NUCLEOTIDE
TITLE OF INVENTION: TECHNIQUE
NUMBER OF SEQUENCES: 113
CORRESPONDENCE ADDRESS:
ADDRESSE: CUSHWAN, DARBY & CUSHWAN
STREET: 1100 NEW YORK AVENUE, N.W.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                36.7%; Score 11; DB 1; Length 18; 100.0%; Pred. No. 8.1e+02; tive 0; Mismatches 0; Indels
                                                                                                                                                                              CORRESPONDENCE ADDRESS:
ADDRESSE: Oliff and Berridge
STREET: 700 S. Washington St.
CITY: Alexandria
STATE: Virginia
COMUTRY: USA
ZIP: 2214
COMPUTER REABABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC Compatible
COMPUTER: IBM PC Compatible
COMPUTER: DATE: PACOMINIA SYSTEM: PC-DOS/WS-DOS
SOFTWARE: PACENTIN Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/273,776
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/913,953
FILING DATE: 17-JUL-1992
ATTORNEY/AGENT INFORMATION:
NAME: Berridge, William P.
REGISTRATION NUMBER: 30,024
REFERENCE/DOCKET NUMBER: WB28083
TELECHONE: (703) 836-6400
TELECHAX: (703) 836-6400
TELERAX: (703) 836-6400
TELERAX: 90-1799 PTO ALEX
INFORMATION FOR SEQ ID NO: 12:
SEQUENCE CHARACTER/STICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 DNA (genomic)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   LENGTH: 18 base pairs
TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 11; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             4 GACAGAGCCCA 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    single
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Best Local Similarity
Matches 11, Conserva
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GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              MOLECULE TYPE: DN HYPOTHETICAL: NO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: nucleic
STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ; ANTI-SENSE: NO US-08-273-776-12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RESULT 13
US-08-255-892-42
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TITLE OF INVENTION: acids, products of expression of such sequences and TITLE OF INVENTION: application as immunogenic compositions. NUMBER OF SEQUENCES: 31
CORRESPONDENCE ADDRESS: ADDRESS: ADDRESS: ADDRESS: ADDRESS: ADDRESS: STREET: CAlifornia CUNTRY: U.S.A. COMPUTER: CAlifornia COUNTRY: U.S.A. COMPUTER: IBM PC compatible COMPUTER: IBM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: nucleic acid
STRANDEDNESS: sing
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-08-473-020A-13
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Patent No. 5877273
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Hance, Allan J
APPLICANT: Levy-Frebault, Veronique
APPLICANT: Grandchamp-Desraux, Bernard
APPLICANT: Gicquel, Brigitte
APPLICANT: Gicquel, Brigitte
TITLE OF INVENTION: Nucleotide sequences of actinomycetales,
TITLE OF INVENTION: applications to the synthesis or detection of nucleic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ö
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LOCATION:
LOCATION:
IDENTIFICATION METHOD:
OTHER INFORMATION: /note= "having biotin at OTHER INFORMATION: 5' end with a spacer"
AUTHORS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0; Mismatches
                                                                                                                                                              INPORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 bases
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: other nucleic acid
HYPOTHETICAL:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                DOCUMENT NUMBER:

FILING DATE:

PUBLICATION DATE:

RELEVANT RESIDUES IN SEQ ID NO:
US-08-358-995-2
           REGISTRATION NUMBER: 33,367
REFFRENCE/DOCKET NUMBER:
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-371-8856
TELEFAX: 202-371-8856
TELEFAX:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity 100.
Matches 11; Conservative
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DEVELOPMENTAL STAGE:
HAPLOTYPE:
TISSUE TYPE:
CELL TYPE:
CELL TYPE:
ORGANELLE:
IMMEDIATE SOURCE:
LIBRAY:
CLONE:
CLONE:
CHROMOSOME/SEGMENT:
CHROMOSOME/SEGMENT:
CHROMOSOME/SEGMENT:
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FRACMENT TYPE:
ORIGINAL SOURCE:
ORGANISM:
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US-08-473-020A-13/c
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JOURNAL:
VOLUME:
ISSUE:
PAGES:
DATE:
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13
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                                          June 23, 2003, 05:20:00 ; Search time 2516.18 Seconds (without alignments) 299.770 Million cell updates/sec
                                                                                                                                                             12114646
                                                                                                                                                                                                                    /cgn2_6/ptodata/2/pna/US102A_COMB.seq
/cgn2_6/ptodata/2/pna/US102B_COMB.seq
GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.
                                                                                                                              24791104 segs, 12571243825 residues
                                                                                       CTGACAGAGCCCAACTCTTCGCGGTGGCAG 30
                                                                                                                                                          Total number of hits satisfying chosen parameters:
                           OM nucleic - nucleic search, using sw model
                                                                                                                                                                                                  Post-processing: Listing first 45 summaries
                                                                                                       OLIGO_NUC
Gapop_60.0 , Gapext 60.0
                                                                       US-08-770-564A-5
                                                                                                                                                                          Minimum DB seq length: 0 Maximum DB seq length: 50
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                                                                                  Perfect score:
                                                                                                       Scoring table:
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                                                                                         Sequence:
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cgn2_6/ptodata/2/pna/Us6001_coMB.seq:
cgn2_6/ptodata/2/pna/Us6001_coMB.seq:
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cgn2_6/ptodata/2/pna/Us6012_coMB.seq:
cgn2_6/ptodata/2/pna/Us6012_coMB.seq:
cgn2_6/ptodata/2/pna/Us6020_coMB.seq:
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Searched:

Run on:

Database

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

		æ			SUMMARIES		
Result	ن ا.	Query					
NO.	. Score	Match	Match Length	80	σī	Description	
	1 30	100.0	30	7	PCT-US97-23619-5	Sequence 5, Appli	
	2 30	100.0	30	11	US-08-770-564A-5	Sequence 5, Appli	
υ	3 24	80.0	24	0	US-08-521-634-15	Sequence 15, Appl	
•	4 20	66.7	20	н	PCT-US97-23619-6	Sequence 6, Appli	
	5 20	66.7	20	-	PCT-US97-23619-7	Sequence 7, Appli	
-	6 20	66.7	20	11	US-08-770-564A-6	w	
	7 20	66.7	20	11	US-08-770-564A-7	7,	
υ	8 18	0.09	25	36	US-09-956-604-105231	10	
υ	9 18	0.09	25	36	US-09-956-604A-105231	Sequence 105231,	
o T	0 18	60.0	25	36	US-09-956-604B-105231	Seguence 105231,	
o	1 18	60.09	25	67	US-60-234-049-86453	Sequence 86453, A	
ï	2 13	43.3	25	17	US-09-396-196F-124326	Sequence 124326,	
ī	3 13	43.3	25	17	US-09-396-196G-124326	Sequence 124326,	
r U	4 13	43.3	25	56	US-09-660-220-66821	Sequence 66821, A	
-	5 13	43.3	,	56	US-09-660-220-66822	Sequence 66822, A	
7	6 13	43.3		26	US-09-660-220-66827	Sequence 66827, A	
o T	7 13	43.3	25	26	US-09-660-220-66828		
0	8 13	43.3	25	26	US-09-660-220-66829	Sequence 66829, A	
ř	9 13	43.3	25	36	US-09-956-584-314490	Sequence 314490,	
Ñ	0 13	43.3	25	36	US-09-956-584-314500	Sequence 314500,	
7	1 13	43.3	25	67	US-60-234-017-309805	Sequence 309805,	

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Length 30;

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Sequence 5, Application US/08770564A
GENERAL INFORMATION:
APPLICANT: Realey, James T.
APPLICANT: Pruzan, Roctt L.
TITLE OF INVENTION: Inhibitory Polynucleotides Directed
TITLE OF INVENTION: Against the RNA Component of Telomerase
NUMBER OF SEQUENCES: 15
CORRESPONDENCE ADDRESS:
ADDRESSE: TOWNSEND and TOWNSEND and CREW LLP
STREET: TOW EMbarcadero Center, 8th Floor
CITY: San Francisco
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match 100.0%; Score 30; DB 11; Length 30; Best Local Similarity 100.0%; Pred. No. 1.1e-06; Matches 30; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      STAL.

CITY: Sa..

STATE: CA.

COUNTRY: USA

ZIP: 94111

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/770,564A

FILING DATE: 20-DEC-1996

CLASSIFICATION: 514

ATTORNEY/AGENT INVENDATION:

NAME: Storella, John R.

REFERENCE/DOCKET NUMBER: 015389-002200US

TELECOMMUNICATION INFORMATION:

TELECOMMUNICATION INFORMATION:

TELEFRAX: 415-576-0300

TELEFRX: 415-576-0300

TELEFRX: 415-576-0300

TELEFRX: 415-576-0300
                                                                                                                                                                                                                           Query Match
100.0%; Score 30; DB 1; I
Best Local Similarity 100.0%; Pred. No. 1.1e-06;
Matches 30; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1 CTGACAGAGCCCAACTCTTCGCGGTGGCAG 30
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                                                                                                                                                                                                                                                                                                                                              1 CTGACAGACCCAACTCTTCGCGGTGGCAG 30
                                                                                                                                               ; LOCATION: 1..30
; OTHER INFORMATION: /note= "oligo 16"
PCT-US97-23619-5
LENGTH: 30 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TOPOLOGY: linear MOLECULE TYPE: DNA
                                                                                                                NAME/KEY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RESULT 3
US-08-521-634-15/c
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US-08-770-564A-5
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                                                                                                        FEATURE:
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                                                                                    Sequence 18382, A
Sequence 18382, A
Sequence 7, Appli
Sequence 5, Appli
Sequence 5, Appli
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Sequence 14041, A
Sequence 14041, A
Sequence 14041, A
Sequence 54, Appl
Sequence 54, Appl
Sequence 34092, A
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                                                                     Seguence 625356,
                          Sequence 281714
Sequence 534052
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Sequence 49757
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                                                                                                                                                                                                                  Sequence 5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
TITLE OF INVENTION: Methods for Detecting and Inhibiting the TITLE OF INVENTION: RNA Component of Telomerase
TITLE OF INVENTION: RNA Component of Telomerase
CORRESPONDENCE: 29
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STRET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
  7 US-60-234-017-309812

9 US-60-353-987-281714

9 US-60-353-987-281714

9 US-60-353-987-625356

9 US-60-353-987-625356

1 US-60-171-431-18382

1 US-07-91-648-7

US-08-441-893A-5

6 US-09-252-06A-5

8 US-09-461-908-5

1 US-10-199-209-5

2 US-10-227-563-14041
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US-09-396-196F-34092
US-09-396-196F-49756
US-09-396-196F-49757
US-09-396-196F-49759
US-09-396-196F-49759
US-09-396-196F-49760
US-09-396-196F-48304
US-09-396-196F-64305
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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM FC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ALIGNMENTS
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APPLICATION NUMBER: US 08/770,564
FILING DATE: 20-DEC-1996
PRICOR APPLICATION DATA:
APPLICATION DATA:
APPLICATION NUMBER: US 08/770,565
FILING DATE: 20-DEC-1996
ATTORNEY/AGENT INFORMATION:
NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
REGISTRATION NUMBER: 15389-27PC
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICATION NUMBER: PCT/US97/23619
FILING DATE: Not yet assigned
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 5, Application PC/TUS9723619
GENERAL INFORMATION:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0200
INFORMATION FOR SEQ ID NO: 5:

SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          USA
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Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 20; DB 1; Length 20;
Pred. No. 0.61;
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                                                                                                                                                                               COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM FC compatible
OPERATING SYSTEM: FC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US97/23619
FILING DATE: Not yet assigned
CLASSIFICATION DATA:
APPLICATION NUMBER: US 08/770,564
FILING DATE: 20-DEC-1996
FILING DATE: 20-DEC-1996
FILING DATE: 20-DEC-1996
FILING DATE: 20-DEC-1996
FILING DATE: 10-DEC-1996
FILING DATE: 10
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                                    CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP STREET: Two Embarcadero Center, Eighth Floor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ; LOCATION: 1..20
; OTHER INFORMATION: /note= "oligo 16ab"
PCT-US97-23619-6
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 66.7%; Scc.
100.0%; Pre
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Best Local Similarity 100.
Matches 20; Conservative
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APPLICANT:
APPLICANT:
TITLE OF INVENTION: MethrITLE OF INVENTION: RNA
NUMBER OF SEQUENCES: 29
CORRESPONDENCE ADDRESSS:
ADDRESSEE: Townsend an
                                                                                       STREET: Two Embarcade CITY: San Francisco STATE: California COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                nucleic acid
EDNESS: single
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ZIP: 94111-3834
COMPUTER READABLE FORM:
         NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TOPOLOGY: linear MOLECULE TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              STRANDEDNESS:
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APPLICANT:
APPLICANT:
APPLICANT:
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                                                                                                                                                                               STATE: California
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CURRENT APPLICATION DATA:

SOFTWARE PATENTIN Release #1.0, Version #1.25
CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/521,634
FILING DATE: 31-AUG-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/482,115
FILING DATE: 7-UN-1995
PRIOR APPLICATION NUMBER: US 08/472,802
PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/72,103
FILING DATE: 7-UN-1995
PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/22,102
FILING DATE: 7-CT-1994
ATTORNEY/AGENT INFORMATION:
NAME: DUAT: 7-LUL-1994
ATTORNEY/AGENT INFORMATION:
NAME: DUAT: 7-20-1994
ATTORNEY/AGENT INFORMATION:
NAME: DUAT: 7-20-1994
ATTORNEY/AGENT NUMBER: 15389-000850
TELECOMMUNICATION NUMBER: 15389-000850
TELECOMMUNICATION NUMBER: 15389-000850
                                                   APPLICANT: Villeponteau, Bryant
APPLICANT: Feng, Junii
APPLICANT: Penk, Walter
APPLICANT: Andrews, Walliam
TITLE OF INVENTION: Mammalian Telomerase
NUMBER OF SEQUENCES: 66
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match

Best Local Similarity 100.0%; Pred. No. 0.0
Matches 24; Conservative 0; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                 COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 6, Application PC/TUS9723619
GENERAL INFORMATION:
APPLICANT:
Application US/08521634
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TELEPHONE: 415-326-2400
TELEFAX: 415-326-2422
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 24 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: nucleic acid
STRANDEDNESS: single
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APPLICANT:
TITLE OF INVENTION:
TITLE OF INVENTION:
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PCT-US97-23619-6
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Gaps
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GENERAL INFORMATION:
APPLICANT: Kealey, James T.
APPLICANT: Pruzan, Ron
APPLICANT: Weinrich, Scott L.
TITLE OF INVENTION: Inhibitory Polynucleotides Directed
TITLE OF INVENTION: Inhibitory Polynucleotides Directed
TITLE OF INVENTION: Against the RNA Component of Telomerase
NUMBER OF SEQUENCES: 15
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match 66.7%; Score 20; DB 11; Length 20; Best Local Similarity 100.0%; Pred. No. 0.61; Matches 20; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                            Score 20; DB 11; Length 20;
Pred. No. 0.61;
                                                                                                                                                                                                                                                                                    0; Indels
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T: Two Embarcadero Center, 8th Floor
San Francisco
CA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          015389-002200US
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ATTORNEY/AGENT INFORMATION:
NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 0153
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-576-0200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ccaacretresessesses 20
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Best Local Similarity 100.0%; P.
Matches 20; Conservative 0;
FELECOMMUNICATION INFORMATION:
          TELEPHONE: 415-576-0200
TELEFAX: 415-576-0300
INFORMATION FOR EQ. ID NO: 6
SEQUENCE CHARACTER STICS:
LENGTH: 20 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TELEFAX: 415-576-0300 INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SEQUENCE CHARACTERISTICS LENGTH: 20 base pairs
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                                                                                                                                                                                                    US-08-770-564A-6
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US-08-770-564A-7
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0
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APPLICANT: Fuzan, Ron
APPLICANT: Pruzan, Ron
APPLICANT: Weinrich, Socut L.
TITLE OF INVENTION: Inhibtory Polynucleotides Directed
TITLE OF INVENTION: Against the RNA Component of Telomerase
NUMBER OP SEQUENCES: 15
CORRESPONDENCE ADDRESS:
ADDRESSEE: TOWNSEND and TOWNSEND and CREW LLP
STREET: Two Embarcadero Center, 8th Floor
CITY: San Francisco
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match 66.7%; Score 20; DB 1; Length 20; Best Local Similarity 100.0%; Pred. No. 0.61; Matches 20; Conservative 0; Mismatches 0; Indels
                                              OFFWARING SYSTEM:

OFFWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: PCT/US97/23619

FILING DATE: Not yet assigned
CLASSIFICATION:

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/770,564

FILING DATE: 20-DEC-1996

PRIOR APPLICATION NUMBER: US 08/770,565

FILING DATE: 20-DEC-1996

ATTORNEY/AGENT INFORMATION:

NAME: Storella, John R.

REGISTRATION NUMBER: 15.389-27PC

TELEPHONE: (415) 576-0300

TELEPHONE: (415) 576-0300

INFORMATION FOR SEQ ID NO: 7:

SEQUENCE CHARACTERISTICS:

LENGTH: 20 base pairs

TYPE: nucleic acid

TYPE: nucleic acid

TTELETY: 1000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Patentin Release #1.0, Version #1.30
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ATTORNEY/AGENT INFORMATION:
NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 015389-002200US
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   /note= "oligo 16bc"
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CURRENT APPLICATION NUMBER: US/08/770,564A
APPLICATION NUMBER: 20-DEC-1996
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
            COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 6, Application US/08770564A GENERAL INFORMATION:
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Floppy disk
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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NAME/KEY: -
LOCATION: 1..20
CTHER INFORMATION:
PCT-US97-23619-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TOPOLOGY: linear
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MEDIUM TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US-08-770-564A-6
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US-60-234-049-86453
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TITLE OF INVERTION: Methods of Genetic Analysis of Escherichia coli
FILE REPERENCE: 3117.1
CURRENT APPLICATION NUMBER: US/09/956,604A
CURRENT FILING DATE: 2001-09-19
PRIOR PILING DATE: 2000-09-19
PRIOR FILING DATE: 2000-09-19
NUMBER OF SEQ ID NOS: 141629
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 105231
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 105231, Application US/09956604B
GENERAL INFORMATION:
APPLICANT: Wittmann. Michael
TITLE OF INVESTION: Methods of Genetic Analysis of Escherichia coli
FILE REFERENCE: 3117.1
CURRENT APPLICATION NUMBER: US/09/956,604B
CURRENT FILING DATE: 2001-09-19
PRIOR FILING DATE: 60/234,049
PRIOR FILING DATE: 2000-09-19
                                                    APPLICANT: Mittmann, Michael
TITLE OF INVENTION: Methods of Genetic Analysis of Escherichia coli
FILE REPRENCE: 3117.1
CURRENT APPLICATION NUMBER: US/09/956,604
CURRENT PILING DATE: 2001-09-19
PRIOR APPLICATION NUMBER: 60/234,049
PRIOR FILING DATE: 2000-09-19
NUMBER OF SEQ ID NOS: 141629
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
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8.4;
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SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 105231
LENGTH: 25
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; Sequence 105231, Application US/09956604A
; GENERAL INFORMATION:
                    Sequence 105231, Application US/09956604 GENERAL INFORMATION:
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60.0%; Scc
Best Local Similarity 100.0%; Pi
Matches 18; Conservative 0;
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; ORGANISM: Escherichia coli
US-09-956-604-105231
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Best Local Similarity 100.0
Matches 18; Conservative
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US-09-956-604A-105231
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US-09-956-604B-105231/c
US-09-956-604-105231/c
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LENGTH: 25
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 18; DB 67; Length 25; Pred. No. 8.4;
DB 36; Length 25;
8.4;
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                                              0; Indels
                                                                                                                                                                                                                                                                                      APPLICANT: Mitchan, Michael
APPLICANT: Mitchann, Michael
APPLICANT: Mitchann, Michael
APPLICANT: Mitchann, Michael
TITLE OF INVENTION: Methods of Genetic Analysis of
TITLE OF INVENTION: Escherichia coli
FILE REPERENCE: 3117
CURRENT APPLICATION NUMBER: US/60/234,049
CURRENT FILING DATE: 2000-09-19
NUMBER OF SEQ ID NOS: 141629
SOFTWARE: FastSEQ for Windows Version 4.0
LENGTH: 25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT Michael Mittmann
APPLICANT David Mack
APPLICANT David Lockhart
APPLICANT Affymetrix, Inc.
TITLE OF INVENTION: Methods of Genetic Analysis
FILE REFERENCE: 3101.1
CURRENT APPLICATION NUMBER: US/09/396,196F
FRICH APPLICATION NUMBER: 60/100,678
FRICH APPLICATION NUMBER: 60/100,678
FRICH APPLICATION NUMBER: 60/100,678
FRICH FILING DATE: 1998-09-17
NUMBER OF SEQ ID NOS: 127806
SOFTWARE: FRAESEQ for Windows Version 4.0
LENGTH: 25
Query Match 60.0%; Score 18; DB Best Local Similarity 100.0%; Pred. No. 8.4 Best Local Similarity 100.0%; Pred. No. 8.4 Mismatches 18; Conservative 0; Mismatches
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Matches 18; Conservative 0; Mismatches
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DATABASE ACCESSION NUMBER: Genbank U00096
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ; Sequence 124326, Application US/09396196F; GENERAL INFORMATION:
                                                                                                                                                                                                                                US-66-234-049-86453/c
; Sequence 86453, Application US/60234049
; GENERAL INFORMATION:
                                                                                           29
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ORGANISM: Eschericia coli
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Best Local Similarity
Matches 13; Conserv
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US-09-396-196F-124326
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US-09-396-196G-124326
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SOFTWARE:
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GENERAL INFORMATION:
APPLICANT: Mittmann et al.
APPLICANT: Affirmerix, Inc.
TITLE OF INVENTION: Methods of Genetic Analysis of Human; FILE REPERBING: 3102.1
CURRENT APPLICATION NUMBER: US/09/660,220
CURRENT FILING DATE: 2000-09-12
PRIOR APPLICATION NUMBER: 60164,973
PRIOR APPLICATION NUMBER: 60164,973
PRIOR FILING DATE: 1999-11-11
NUMBER OF SEQ ID NOS: 140981
SOFTWARE: FRASEQ for Windows Version 4.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 25;
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APPLICANT: Affymerrix, Inc.
TITLE OF INVENTIVE. Methods of Genetic Analysis of Human
FITLE OF INVENTIVE: 3102.1
CURRENT APPLICATION NUMBER: US/09/660,220
CURRENT FILING DATE: 2000-09-12
PRIOR APPLICATION NUMBER: 60/164,973
PRIOR FILING DATE: 1999-11-11
*WUMBER OF SEQ ID NOS: 140981
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                43.3%; Score 13; DB 26; I 100.0%; Pred. No. 6.1e+03; ative 0; Mismatches 0;
                                          APPLICANT: Michael Mittmann
APPLICANT: Michael Mittmann
APPLICANT: David Mack
APPLICANT: David Mack
APPLICANT: Affymetrix, Inc.
TITLE OF INVENTION: Methods of Genetic Analysis
FILE REPERENCE: 3101.1
CURRENT APPLICATION NUMBER: US/09/396,196G
CURRENT FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: 60/100,678
PRIOR PILING DATE: 1999-09-17
NUMBER OF SEQ ID NOS: 127806
SOTWARE: FASTESQ for Windows Version 4.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
43.3%; Score 13; DB 17; I
Best Local Similarity 100.0%; Pred. No. 6.1e+03;
Matches 13; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ; PUBLICATION INFORMATION:
; DATABASE ACCESSION NUMBER: GenBank M95740
US-09-660-220-66821
Sequence 124326, Application US/09396196G. GENERAL INFORMATION:
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; Sequence 66822, Application US/09660220
; GENERAL INFORMATION:
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ORGANISM: Homo Sapiens
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CORGANISM: mus musculus
US-09-396-196G-124326
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Best Local Similarity
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LENGTH: 25
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LENGTH: 25
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June 23, 2003, 05:45:21 ; Search time 1316.89 Seconds (without alignments) 158.668 Million cell updates/sec
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Copyright (c) 1993 - 2003 Compugen Ltd.
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                                                                       OM nucleic - nucleic search, using sw model
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Gapop_60.0 , Gapext 60.0
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Perfect score:
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Pending Patents NA New:*

1. (cgn2_6/prodata/1/pna/USO6 NEW COMB.seq:*
2. /cgn2_6/prodata/1/pna/USO6 NEW COMB.seq:*
3: /cgn2_6/prodata/1/pna/USO6 NEW COMB.seq:*
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5: /cgn2_6/prodata/1/pna/USO9 NEW COMB.seq:*
6: /cgn2_6/prodata/1/pna/USO9 NEW COMB.seq:*
7: /cgn2_6/prodata/1/pna/USO9 NEW COMB.seq2:*
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8: /cgn2_6/prodata/1/pna/USO9 NEW COMB.seq2:*
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10: /cgn2_6/prodata/1/pna/USO0 NEW COMB.seq3:*
11: /cgn2_6/prodata/1/pna/USO0 NEW COMB.seq3:*
12: /cgn2_6/prodata/1/pna/USO0 NEW COMB.seq3:*
13: /cgn2_6/prodata/1/pna/USO0 NEW COMB.seq3:*
13: /cgn2_6/prodata/1/pna/USO0 NEW COMB.seq3:*
13: /cgn2_6/prodata/1/pna/USO0 NEW COMB.seq2:*
13: /cgn2_6/prodata/1/pna/USO0 NEW COMB.seq3:*

Post-processing: Listing first 45 summaries

Database :

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

		de					
Result No.	Score	Query Match	Query Match Length DB	DB	ID	Description	
	22	4 در	23	-	DCT-11503-04088-522		
,	1		3		770-000-000-771	1440	
0	19	63.3	21	-	PCT-US03-04088-540	Sequence 540, App	
m	19	63.3	21	ч	PCT-US03-04088-544	Sequence 544, App	
Ω 4.	19	63.3	21	-	PCT-US03-04088-548	Sequence 548, App	
ß	19	63.3	21	П	PCT-US03-04088-552	Sequence 552, App	
9 U	19	63.3	21	ч	PCT-US03-04088-556	Sequence 556, App	
7	19	63.3	21	-	PCT-US03-04088-560	290	
ω υ	18	60.0	19	-	PCT-US03-04088-23	Sequence 23, Appl	
σ	18	60.09	19	н	PCT-US03-04088-287	Sequence 287, App	
c 10	16	53.3	21	-	PCT-US03-04088-588	Sequence 588, App	
c 11	16	53.3	23	-	PCT-US03-04088-530	Sequence 530, App	
c 12	14	46.7	19	Н	PCT-US03-04088-258	Sequence 258, App	
13	14	46.7	21	Н	PCT-US03-04088-593	Sequence 593, App	
14	14	46.7	25	12	US-60-427-808-47221	Sequence 47221, A	
15	14	46.7	25	12	US-60-427-808-699316	Sequence 699316,	
16	14	46.7	25	12	US-60-427-836-401411	Sequence 401411,	
c 17	14	46.7	25	12	US-60-427-836-529892	Sequence 529892,	
c 18	13	43.3	19	ч	PCT-US03-04088-22	Sequence 22, Appl	
19	13	43.3	19	Н	PCT-US03-04088-286	Sequence 286, App	
20	13	43.3	50	-	PCT-US02-21361-189	Seguence 189, App	

Seguence 189, App	306	315,	66821	Sequence 66822, A	Sequence 66827, A	Sequence 66828, A	Sequence 66829, A	Sequence 281714,	Sequence 534052,	Sequence 625356,	Sequence 2606, Ap	Sequence 435724,	Sequence 467623,	Sequence 503841,		Sequence 95550, A	Sequence 198381,	Sequence 331174,	Sequence 5, Appli	Sequence 14041, A	Sequence 4756, Ap	Sequence 209, App	Sequence 6083, Ap	Sequence 27816, A
US-10-188-186-189	US-10-160-619-306	US-10-160-619-315	US-09-660-222-66821	US-09-660-222-66822	US-09-660-222-66827	US-09-660-222-66828	US-09-660-222-66829	US-10-355-577-281714	US-10-355-577-534052	US-10-355-577-625356	US-60-427-808-2606	US-60-427-808-435724	US-60-427-808-467623	US-60-427-808-503841	US-60-427-836-9568	US-60-427-836-95550	US-60-427-836-198381	US-60-427-836-331174	US-10-199-209A-5	US-10-367-892-14041	US-10-293-338-4756	US-09-660-222-209	US-09-660-222-6083	US-09-660-222-27816
6	σ	0	9	9	9	9	9	σ	σ	0	12	12	12	12	12	12	12	12	10	10	σ	9	9	9
20	20	50	25	25	25	25	25	25	22	25	25	25	25	25	25	25	25	25	46	21	24	25	25	25
43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	40.0	40.0	40.0	40.0	40.0
13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	12	12	12	12	12
21	22	23	c 24	c 25	c 26	c 27	c 28	29	30	c 31	c 32	33	c 34	35	c 36	c 37	c 38	39	40	41	42	43	C 44	c 45

ALIGNMENTS

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RESULT 1

PREVIOUR 1

Sequence 522, Application PC/TUS0304088

Sequence 522, Application PC/TUS0304088

Sequence 522, Application PC/TUS0304088

GENERAL INFORMATION:

APPLICANT: Ribozyme Pharmaceuticals, Inc.

APPLICANT: Ribozyme Pharmaceuticals, Inc.

APPLICANT: Messiggen, James

FILE REFERENCE: 02-704-7

FILES PRIOR APPLICATION NUMBER: PC7/US03/04088

CURRENT FILING DATE: 2002-02-20

PRIOR APPLICATION NUMBER: US 60/356,580

PRIOR PRIOR APPLICATION NUMBER: US 60/356,124

PRIOR PRIOR APPLICATION NUMBER: US 60/360,782

PRIOR PRIOR APPLICATION NUMBER: US 60/406,784

PRIOR PRIOR PELING DATE: 2002-09-09

PRIOR PELING DATE: 2002-09-09

PRIOR PELING DATE: 2002-09-09

PRIOR PELING DATE: 2002-09-09

PRIOR PELING DATE: 2002-09-09

PRIOR PELING DATE: 2002-09-09

PRIOR PELING DATE: 2002-09-09

PRIOR PELING DATE: 2002-09-09

PRIOR PELING DATE: 2002-09-09

PRIOR PELING DATE: 2002-09-09

PRIOR PELING DATE: 2003-09-09

PRIOR PELING DATE: 200
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Query Match 73.3%; Score 22; DB 1; Length 23; Best Local Similarity 100.0%; Pred. No. 0.0084; Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps

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APPLICANT: KINOZYME FIGHTMCCULICAIS, INC.
APPLICANT: HINOZWINE FIGHTMCCULICAIS, INC.
APPLICANT: Beigelman, Leonid
APPLICANT: Beigelman, Leonid
TITLE OF INVENTION: RNA INTERFERENCE Mediated Inhibition of Telomerase Gene
TITLE OF INVENTION: RNA INTERFERENCE: 02-708-A (400/080)
TITLE OF INVENTION: Expression Using Short Interfering RNA (sinh)
FILE REFERENCE: 02-708-A (400/080)
CURRENT FILING DATE: 2003-04-28
FRIOR PAPLICATION NUMBER: US 60/356,580
PRIOR FILING DATE: 2002-07-17
PRIOR FILING DATE: 2002-02-20
PRIOR FILING DATE: 2002-03-11
PRIOR FILING DATE: 2002-06-06
PRIOR PRIOR PRILING DATE: 2002-06-06
PRIOR FILING DATE: 2002-08-29
PRIOR FILING DATE: 2003-09-05
PRIOR FILING DATE: 2003-01-15
NUMBER OF SEQ ID NOS: 626
PRIOR FILING DATE: 2003-01-15
NUMBER OF SEQ ID NOS: 626
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: RNA
ORGANIZM: Artificial
PEATURE:
OTHER INFORMATION: Description of Artificial Sequence: sinA antisense region
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PRIOR FILING DATE: 2002-03-11
PRIOR APPLICATION NUMBER: US 60/386,782
PRIOR PILING DATE: 2002-06-06
PRIOR FILING DATE: 2002-06-06
PRIOR FILING DATE: 2002-08-29
PRIOR PILING DATE: 2002-09-05
PRIOR APPLICATION NUMBER: US 60/409,293
PRIOR FILING DATE: 2002-09-09
PRIOR FILING DATE: 2002-09-09
PRIOR FILING DATE: 2003-09-19
PRIOR PILING DATE: 2003-01-15
NUMBER OF SEQ ID NOS: 626
SSOFURARE: PATENTIN VEXEION 3.2
LENGTH: 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ; OTHER INFORMATION: n stands for thymidine PCT-US03-04088-544
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Best Local Similarity 78.9%;
Matches 15; Conservative
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SEQ ID NO 548
LENGTH: 21
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APPLICANT: Beigelman, Leonid
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase Gene
TITLE OF INVENTION: Expression Using Short Interfering RNA (SINA)
FILE REFERENCE: 02-708-A (400/080)
CURRENT APPLICATION NUMBER: PCT/US03/04088
PRIOR PLING DATE: 2003-04-8
PRIOR FILING DATE: 2003-07-17
PRIOR PLILING DATE: 2002-07-17
PRIOR PLILING DATE: 2002-02-20
PRIOR APPLICATION NUMBER: US 60/358,580
PRIOR APPLICATION NUMBER: US 60/358,280
PRIOR APPLICATION NUMBER: US 60/358,280
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           OTHER INFORMATION: Description of Artificial Sequence: sinA sense region
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APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Beigalman, James
APPLICANT: Beigalman, Leonid
TITLE OF INVENTION: RNA Interference Mediated Inhibition of
TITLE OF INVENTION: Expression Using Short Interfering RNA
FILE REPERENCE: 02-708-A (400/080)
CURRENT APPLICATION NUMBER: PCT/US03/04088
CURRENT FILING DATE: 2003-04-28
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LOCATION: (20)...(21)
COTHER INFORMATION: n stands for thymidine
PCT-US03-04088-540
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CURRENT FILING DATE: 2003-04-28
PRIOR APPLICATION NUMBER: US 60/396,600
PRIOR PILING DATE: 2002-04-28
PRIOR PELICATION NUMBER: US 60/358,580
PRIOR PELING DATE: 2002-02-0
PRIOR PELING DATE: 2002-03-11
PRIOR PILING DATE: 2002-03-11
PRIOR PILING DATE: 2002-03-11
PRIOR PILING DATE: 2002-03-11
PRIOR PILING DATE: 2002-06-06
PRIOR PILING DATE: 2002-06-06
PRIOR APPLICATION NUMBER: US 60/406,784
PRIOR PILING DATE: 2002-08-29
PRIOR PILING DATE: 2002-09-05
PRIOR PILING DATE: 2002-09-05
PRIOR PILING DATE: 2002-09-09
PRIOR PRIOR PILING DATE: 2003-09-05
PRIOR PILING DATE: 2003-09-05
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GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
                                                                                                                                                                                                                                            Sequence 540, Application PC/TUS0304088
                    CTGACAGAGCCCAACTCTTCGC 22
                                                      CIGACAGAGCCCAACTCTTCGC 1
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ORGANISM: Artificial
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LOCATION: (9). (11)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
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LOCATION: (14)...(19)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
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78.9%;
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SOFTWARE: PatentIn version 3.2
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Best Local Similarity 78.5
Local Similarity 78.5
Local Similarity 78.5
Local Similarity
                                                                                                                                              NAME/KEY: misc_feature
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ORGANISM: Artificial
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GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Roswiggen, James
APPLICANT: Beigelman, Leonid
TITLE OF INVENTION: RNA INterference Mediated Inhibition of Telomerase Gene
TITLE OF INVENTION: RNA INTERference Mediated Inhibition of Telomerase Gene
TITLE OF INVENTION: RNA INTERference Mediated Inhibition of Telomerase Gene
TITLE OF INVENTION: RNA INTERference Mediated Inhibition of Telomerase Gene
TITLE OF INVENTION: RNA INTERference Mediated Inhibition of Telomerase
TITLE OF INVENTION: RNADERS: 2003-04-28
FILE REFERENCE: 02-708-A (400/080)
CURRENT APPLICATION NUMBER: US 60/396,600
FRIOR APPLICATION NUMBER: US 60/359,580
FRIOR FILING DATE: 2002-07-17
FRIOR PRILING DATE: 2002-03-11
FRIOR PILING DATE: 2002-03-11
FRIOR PILING DATE: 2002-03-11
FRIOR PILING DATE: 2002-06-06
FRIOR FILING DATE: 2002-08-06
FRIOR FILING DATE: 2002-08-29
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) LOCATION: (21)...(21)

) CTHER INFORMATION: 3'-3 attached terminal deoxyabasic moeity

PCT-US03-04088-548
OTHER INFORMATION: 5'-3 attached terminal deoxyabasic moeity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 21;
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Best Local Similarity 100.0%; Pred. No. 0.46;
Matches 19; Conservative 0; Mismatches (
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OTHER INFORMATION: n stands for thymidine
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OTHER INFORMATION: 2'-deoxy-2'-fluoro
                                                                                                                                                                                             LOCATION: (12)...(15)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
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OTHER INFORMATION: 2'-deoxy-2'-fluoro
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OTHER INFORMATION: Description of Artificial Sequence: Target sequence/sinA
OTHER INFORMATION: antisense region
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APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: McSwiggen, James
APPLICANT: Beigelman, Leonid
TITLE OF INVENTION: Expression Using Short Interfering RNA (siNA)
FILE REFERENCE: 0.2-708-A (400/080)
FILE REFERENCE: 0.2-708-A (400/080)
FILE REFERENCE: 2.003-04-28
PRIOR APPLICATION NUMBER: US 60/396,600
PRIOR PILING DATE: 2002-07-17
PRIOR PLICATION NUMBER: US 60/358,580
PRIOR FILING DATE: 2002-02-20
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Pred. No. 0.46;
4; Mismatches 0; Indels
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OTHER INFORMATION: n stands for thymidine
                                                                                                                                                                                                                                                                                     NAME/KEY: misc feature
LOCATION: (1). (1). (1)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
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LOCATION: (4). (4)
JTHER INFORMATION: 2'-deoxy-2'-fluoro
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JTHER INFORMATION: 2'-deoxy-2'-fluoro
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OTHER INFORMATION: 2'-deoxy-2'-fluoro
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                          NUMBER OF SEQ ID NOS: 626
SOFTWARE: Patentin version 3.2
SEQ ID NO 560
LENGTH: 21
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Best Local Similarity 78.9%;
Matches 15; Conservative
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OTHER INFORMATION: 2'-deoxy
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OTHER INFORMATION: 2'-deoxy
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THER INFORMATION: 2'-deoxy
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LOCATION: (9)...(11)
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                                                                                                                            TYPE: RNA
ORGANISM: Artificial
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Sequence 560, Application PC/TUS0304088
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: McSwiggen, James
APPLICANT: Beigelman, Leonid
TITLE OF INVENTION: RN Interference Mediated Inhibition of Telomerase Gene
TITLE OF INVENTION: Expression Using Short Interfering RNA ($INA)
FILE REPERENCE: 02-708-A (400/080)
CURRENT APPLICATION NUMBER: PCT/US03/04088
CURRENT FILING DATE: 2003-04-28
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                          CON: (1)..(1)
INFORMATION: 5'-3 attached terminal deoxyabasic moeity
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; LOCATION: (21)...(21)

; OTHER INFORMATION: 3'-3 attached terminal deoxyabasic moeity

PCT-US03-04088-556
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Pred. No. 0.46;
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PRIOR PELLING DATE: 2002-07-17
PRIOR PELLING DATE: 2002-07-17
PRIOR APPLICATION NUMBER: US 60/358,580
PRIOR PILING DATE: 2002-02-20
PRIOR PILING DATE: 2002-03-11
PRIOR PELLING DATE: 2002-03-11
PRIOR PILING DATE: 2002-06-06
PRIOR PILING DATE: 2002-06-06
PRIOR PILING DATE: 2002-06-06
PRIOR PILING DATE: 2002-08-29
PRIOR PELLING DATE: 2002-09-29
PRIOR PILING DATE: 2002-09-05
PRIOR PILING DATE: 2002-09-05
PRIOR PILING DATE: 2002-09-05
PRIOR PILING DATE: 2002-09-05
PRIOR PILING DATE: 2002-09-09
PRIOR PILING DATE: 2002-09-09
PRIOR PILING DATE: 2002-09-09
PRIOR PILING DATE: 2002-09-09
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OTHER INFORMATION: n stands for thymidine
                                                                                                                         LOCATION: (7)...(8)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
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OTHER INFORMATION: 2'-deoxy-2'-fluoro
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OTHER INFORMATION: 2'-deoxy-2'-fluoro
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63.3%; Soc
Best Local Similarity 100.0%; Pi
Matches 19; Conservative 0;
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LOCATION: (19)...(19)
OTHER INFORMATION: 2'-deoxy
                                                                                                                                                                                                                                  LOCATION: (9). (11)
OTHER INFORMATION: 2'-deoxy
                                                                                                                                                                                                                                                                                                                                                                                                               NAME/KEY: misc feature
LOCATION: (16) ... (16)
OTHER INFORMATION: 2'-deoxy
                                                                                                                                                                                                                                                                                                           NAME/KEY: misc_feature
NAME/KEY: misc_feature
                                                                                                   NAME/KEY: misc_feature
                                                                                                                                                                                                          NAME/KEY: misc feature
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LOCATION: (17)..(18)
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; OTHER INFORMATION: Description of Artificial Sequence: Target sequence/sinA sense; OTHER INFORMATION: region PCT-US03-04088-588
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TITLE OF INVENTION: Expression Using Short Interfering RNA (siNA) PRICA PAPLICATION NUMBER: PCT/US03/04088

CURRENT APPLICATION NUMBER: US 60/396,600

PRIOR PILING DATE: 2002-07-17

PRIOR PLING DATE: 2002-07-17

PRIOR PLING DATE: 2002-03-11

PRIOR PLING DATE: 2002-03-11

PRIOR PLING DATE: 2002-03-11

PRIOR PLING DATE: 2002-03-11

PRIOR PLING DATE: 2002-06-06

PRIOR PLING DATE: 2002-08-29

PRIOR PLING DATE: 2002-09-05

PRIOR PRIOR PLING DATE: 2002-09-05

PRIOR PRIOR PLING DATE: 2002-09-05

PRIOR PRIOR PLING DATE: 2002-09-05

PRIOR PRIOR PLING DATE: 2002-09-05

PRIOR PRIOR PLING DATE: 2002-09-05

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                   Gaps
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APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: McSwiggen, James
APPLICANT: McSwiggen, James
APPLICANT: Beigelman, Leonid
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase;
TITLE OF INVENTION: Expression Using Short Interfering RNA (siNA)
FILE REFERENCE: 02-708-A (400/080)
CURRENT APPLICATION NUMBER: PCT/US03/04088
CURRENT APPLICATION NUMBER: PCT/US03/04088
FRICH APPLICATION NUMBER: US 60/396,600
PRIOR APPLICATION NUMBER: US 60/358,580
PRIOR APPLICATION NUMBER: US 60/358,580
PRIOR FILING DATE: 2002-02-20
PRIOR APPLICATION NUMBER: US 60/353,124
PRIOR FILING DATE: 2002-03-11
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              0; Indels
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                   3; Mismatches
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                                                                                                                                                            2 CUGACAGAGCCCAACUCU 19
                                                                                                      1 CTGACAGAGCCCAACTCT 18
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SOFWARE: Patentin version 3.2
SEQ ID NO 588
LENGTH: 21
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              15; Conservative
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Best Local Similarity 100.
Matches 16; Conservative
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PCT-US03-04088-530/c
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PCT-US03-04088-23
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GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Beigelman, Leonid
TITLE OF INVENTION: RAD Interference Mediated Inhibition of Telomerase Gene
TITLE OF INVENTION: RAD Interference Mediated Inhibition of Telomerase Gene
TITLE OF INVENTION: RAD Interference Mediated Inhibition of Telomerase Gene
TITLE OF INVENTION: RAD Interference Mediated Inhibition of Telomerase CURRENT APPLICATION NUMBER: PCT/US03/04088
CURRENT APPLICATION NUMBER: US 60/396,600
FRIOR APPLICATION NUMBER: US 60/386,580
FRIOR APPLICATION NUMBER: US 60/363,124
FRIOR APPLICATION NUMBER: US 60/363,124
FRIOR APPLICATION NUMBER: US 60/363,782
FRIOR APPLICATION NUMBER: US 60/406,784
FRIOR PRILING DATE: 2002-06-06
FRIOR FILING DATE: 2002-09-05
FRIOR FILING DATE: 2003-01-15
NUMBER OF SEQ ID NOS: 626
SERVARE FRIENDED ADDITION NUMBER: US 60/440,129
FRIOR FILING DATE: 2003-01-15
NUMBER OF SEQ ID NOS: 626
SEQ ID NOS: 626
SEQ ID NOS: 626
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PCT-US03-04088-287
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     DB 1; Length 19;
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                                       PRIOR FILING DATE: 2002-03-11
PRIOR PILING DATE: 2002-03-11
PRIOR PILING DATE: 2002-06-06
PRIOR PILING DATE: 2002-06-06
PRIOR PILING DATE: 2002-06-09
PRIOR PILING DATE: 2002-08-29
PRIOR PILING DATE: 2002-09-05
PRIOR PILING DATE: 2002-09-09
PRIOR PILING DATE: 2002-09-09
PRIOR PILING DATE: 2002-09-09
PRIOR PILING DATE: 2003-09-09
PRIOR PILING DATE: 2003-09-15
NUMBER OF SEQ ID NOS: 626
SSOFURDE: PATENT ON WHEER: US 60/440,129
NUMBER OF SEQ ID NOS: 626
SSOFURDE: PATENT ON OFFICE OFFIC
APPLICATION NUMBER: US 60/363,124
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ORGANISM: Artificial
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Best Local Similarity
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APPLICANT: MCSWiggen, James
APPLICANT: MCSWiggen, James
APPLICANT: MCSWiggen, James
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase Gene
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase
TITLE OF INVENTION: Expression Using Short Interfering RNA (sinA)
TITLE REFERENCE: 02-708-A (400/080)
GURRENT APPLICATION NUMBER: US 60/396,600
PRIOR PRILING DATE: 2002-07-17
PRIOR APPLICATION NUMBER: US 60/359,580
PRIOR FILING DATE: 2002-03-11
PRIOR FILING DATE: 2002-03-11
PRIOR PELICATION NUMBER: US 60/363,124
PRIOR PELICATION NUMBER: US 60/406,784
PRIOR APPLICATION NUMBER: US 60/406,784
PRIOR APPLICATION NUMBER: US 60/406,784
PRIOR APPLICATION NUMBER: US 60/406,784
PRIOR PELING DATE: 2002-06-06
PRIOR PELING DATE: 2002-06-06
PRIOR PELING DATE: 2002-09-09
PRIOR PELING DATE: 2002-09-09
PRIOR APPLICATION NUMBER: US 60/409,293
PRIOR APPLICATION NUMBER: US 60/440,129
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PCT-US03-04088-593
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100.0%; Pred. No. 3.7e+02;
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Pred. No. 3.7e+02;
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                                                                                                                                                                                                                                                                 APPLICANT: Ribozyme Pharmaceuticals, Inc. APPLICANT: McSwiqgen. James
                                                                                                                                                                                                        Sequence 593, Application PC/TUS0304088 GENERAL INFORMATION:
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100.0%; F.
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SOFTWARE: PatentIn version 3.2
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78.6%;
17 CTTCGCGGTGGCAG 30
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Best Local Similarity 78.6°
....has 11; Conservative
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ORGANISM: Artificial
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Best Local Similarity
Matches 14; Conserv
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SOFTWARE: Pate
SEQ ID NO 593
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PCT-US03-04088-530
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CURRENT FILING DATE: 2002-04-28

PRIOR PILING DATE: 2002-07-17

PRIOR PILING DATE: 2002-03-11

PRIOR PRIOR TOTAL SOURCE: US 60/364,782

PRIOR PILING DATE: 2002-06-06

PRIOR PILING DATE: 2002-06-06

PRIOR PILING DATE: 2002-06-06

PRIOR PILING DATE: 2002-06-06

PRIOR PILING DATE: 2002-06-05

PRIOR APPLICATION NUMBER: US 60/406,784

PRIOR PILING DATE: 2002-06-05

PRIOR APPLICATION NUMBER: US 60/406,293

PRIOR PILING DATE: 2002-09-05

PRIOR PILING DATE: 2003-09-05

PRIOR PILING DATE: 2003-09
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26;
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            PRIOR FILING DALL.
PRIOR APPLICATION NUMBER: US C.,
PRIOR FILING DATE: 2002-08-29
PRIOR FILING DATE: 2002-09-05
PRIOR FILING DATE: 2002-09-05
PRIOR FILING DATE: 2002-09-09
PRIOR FILING DATE: 2002-09-09
PRIOR APPLICATION NUMBER: US 60/440,129
PRIOR PILING DATE: 2003-01-15
NUMBER OF SEQ ID NOS: 626
SOFTWARE: Patentin version 3.2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: Ribozyme Pharmaceuticals, Inc
US 60/386,782
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 258, Application PC/TUS0304088 GENERAL INFORMATION:
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Matches 16; Conservative
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ORGANISM: Artificial
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Best Local Similarity
Matches 14; Conserv
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ORGANISM: Artificial
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LENGTH: 19
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RESULT 15
US-60-427-808-699316
15 GENERAL INFORMATION:
15 SEQUENCE 699316, Application US/60427808
15 GENERAL INFORMATION:
17 TITLE OF INVENTION: Methods of Genetic Analysis of Mouse
17 TITLE OF INVENTION: Methods of Genetic Analysis of Mouse
17 TITLE OF INVENTION: Methods of Genetic Analysis of Mouse
18 TITLE OF INVENTION: METHOD OF STATE OF
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Search completed: June 23, 2003, 19:12:11 Job time : 1317.89 secs

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AZ51109 IM0445G18
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AZ51109 IM0446C18
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1M0134P22F Mouse 10kb plasmid UUGC1M library Mus musculus genomic clone UUGC1M0134P22 F, DNA sequence.
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Dunn, D., Aoyaqi, A., Barber, M., Beacorn, T., Duval, B., Hamil, C., Islam, H., Longacre, S., Mahmoud, M., Meenen, E., Pedersen, T., Reilly, M., Rose, M., Rose, R., Stokes, R., Tingey, A., von Niederhausern, A. Mouse, Whole genome scaffolding with paired end reads from 10kb
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Contact: Robert B. Weiss
University of Utah Genome Center
University of Utah
Na. 308, Blomedical Polymers Research Bldg., 20 S. 2030 E., SLC,
84112, USA
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BM397151
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AA811480
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BM398089
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AZ616105
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Fax: 801 585 7177
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BM398341 5009-0-44
BM401213 5009-0-84
BM35007 50072-2-7
AZ781467 2M0019F23
AZ393281 IM0156H13
                                                                     June 23, 2003, 04:47:09 ; Search time 1546.73 Seconds (without alignments) 314.123 Million cell updates/sec
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Compugen Ltd.
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                                                                                                                                                                                                                            chosen parameters:
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           GenCore version
Copyright (c) 1993 - 2003
                                                                                                                                                                                                                                                                              summaries
                                                 nucleic search, using sw model
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Word size :

Searched:

Sequence:

Database :

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Result No.

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EST 17-JAN-2002
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5009-0-84-C02.t.1 Chilcoat/Turkewitz cDNA (large fraction)
Tetrahymena thermophila cDNA, mRNA sequence.
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1 Turkewitz, A.P., Karrer, K.M., Jahn, C., Orias, E., Kirk, K.E., Frankel, J. and Klobutcher, L.

BST from Tetrahymena thermophila, strain CU428.1, growing cells Unpublished (2002)
Contact: Turkewitz AP
Molecular Genetics and Cell Biology
University of Chicago
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Proc. Natl. Acad. Sci USA, 98: 8709-8713."
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preparation can be found in Chilocat and Turkewitz (2001)
Proc. Natl. Acad. Sci USA, 98: 8709-8713."
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50072-2-7-A08.f.2 Chilcoat/Turkewitz cDNA (large fraction)
Tetrahymena thermophila cDNA, mRNA sequence.
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Tetrahymena thermophila
Bukaryota; Alveolata; Ciliophora; Oligohymenophorea;
Hymenostomatida; Tetrahymenina; Tetrahymena.
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                                                                                                                                                                                              Length 12;
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    .19
/organism="Tetrahymena thermophila"
/strain="CU428.1"

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100.0%; Pred. No. ...
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/db_xref="taxon:5911"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Location/Qualifiers
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Tetrahymena thermophila.
Tetrahymena thermophila
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Matches 11; Conserv
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BM395007
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AUTHORS
                                                                                                                                                                                                                                                                                                                                                                                                                         RESULT 3
BM401213
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                                                                                                                                                                                                                                                                                                                                                 셤
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Tetrahymena thermophila.
Tetrahymena thermophila
Eukaryota; Alveolata; Ciliophora; Oligohymenophorea;
Hymenostomatida; Tetrahymenina; Tetrahymena.
Tobases 1 to 12)
Turkewitz, A.P., Karrer, K.M., Jahn, C., Orias, E., Kirk, K.E., Frankel
J. and Kilobutcher, L.
SST from Tetrahymena thermophila, strain CU428.1, growing cells
Unpublished (2002)
                                                                                                                                                                                                                                                                                                     'lab host="E. Coli strain XL10-Gold, T1-resistant, F-"
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5009-0-44-D05.t.2 Chilcoat/Turkewitz cDNA (large fraction)
Tetrahymena thermophila cDNA, mRNA sequence.
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920 E. 58th Street, Chicago, IL 60637, USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Contact: Turkewitz AP
Molecular Genetics and Cell Biology
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     Plate: 0134 row: P column: 22
Seg primer: CGTTGTAAAACGACGCCAGT
Class: plasmid ends
High quality sequence stop: 46.
Location/Qualifiers
                                                                                                                                     1. .46
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Location/Qualifiers
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(http://www.jax.org/resources/documents/dhares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polymucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptored DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pWD42 (gil 4732114) [ab] AR129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptored mouse DNA was annealed to adaptored vector DNA, and transformed into chaptors discompetent E. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."
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Dunn, D., Aoyaqi, A., Barber, M., Beacorn, T., Duval, B., Hamil, C., Islam, H., Longacre, S., Mahmoud, M., Meenen, E., Pedersen, T., Reilly, M., Rose, M., Rose, R., Stokes, R., Tingey, A., von Niederhausern, A. and Wright, D., Weiss, R.
                                                                                              /lab host="E. Coli strain XLIO-Gold, Tl-resistant, F-" /note="Vector: PWD42nv; Purified genomic DNA from M. musculus C57BL/6J (male) was obtained from the Jackson Laboratory Mouse DNA Resource
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Contact: Robert B. Weiss
Contact: Robert B. Weiss
University of Utah Genome Center
University of Utah
Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, 84112, USA
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                             /clone="UUGC2M0019F23"
/clone_lib="Mouse 10kb plasmid UUGC1M library"
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Insert Length: 10000 Std Error: 0.00
Plate: 0156 row: H column: 13
Seq primer: CGTTGTAAAACGACGGCCAGT
Class: plasmid ends
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/strain="C57BL/6J"
     'db xref="taxon:10090"
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Location/Qualifiers
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Best Local Similarity 100.
Matches 11; Conservative
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Fax: 801 585 7177
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S. Indeas 1 to 21)
S. Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C., Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A. and Wright,D., Weiss,R.
Dunds whole genome scaffolding with paired end reads from 10kb plasmid inserts
L. Unpublished (2000)
Contact: Robert B. Weiss
University of Utah Genome Center
University of Utah Genome Center
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               21 bp DNA linear GSS 16-FEB-2001 2M0019F23R Mouse 10kb plasmid UUGC1M library Mus musculus genomic clone UUGC2M0019F23 R, DNA sequence.
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                                        1 (Dases 1 to 2)
1 Turkewitz, A.P., Karrer, K.M., Jahn, C., Orias, E., Kirk, K.E., Frankel
1 Turkewitz, A.P., Karrer, K.M., Jahn, C., Orias, E., Kirk, K.E., Frankel
1 J. and Klobutcher, L.
EST from Tetrahymena thermophila, strain CU428.1, growing cells
Unpublished (2002)
Contact: Turkewitz AP
Molecular Genetics and Cell Biology
University of Chicago
920 E. Sath Street,
Tel: 773 702 4374
Fax: 773 702 3172
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   /db xref="taxon:5911"
/clone_lib="Chilcoat/Turkewitz cDNA (large fraction)"
/clone_lib="Chilcoat/Turkewitz cDNA (large fraction)"
/note="Vector: BlueScript2 SK*; Details on library
preparation can be found in Chilcoat and Turkewitz (2001)
Proc. Natl. Acad. Sci USA, 98: 8709-8713."
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Eukaryota, Alveolata, Ciliophora, Oligohymenophorea,
Hymenostomatida, Tetrahymenina, Tetrahymena.
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                                                                                                                                                                                                                                                                                                                                                                                                                             /organism="Tetrahymena thermophila"
/strain="CU428.1"
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                                                                                                                                                                                                                                                                                                                               Email: apturkew@midway.uchicago.edu
Seq primer: T3.
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Fax: 801 585 7177
Email: ddunn@genetics.utah.edu
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(http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polymucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptored DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gelectrophoresis. Vector DNA was prepared from a derivative of pw042 (gil | 4732114 | gb| AR129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptored mouse DNA was annealed to adaptored vector DNA, and transformed into chemically-competent B. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."
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5009-0-54-All.t.1 Chilcoat/Turkewitz cDNA (large fraction)
Tetrahymena thermophila cDNA, mRNA sequence.
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/db xref="taxon:5911"
/db xref="taxon:5911"
/clone lib="Chilcoat/Turkewitz cDNA (large fraction)"
/note="Vector: BlueScript2 SK+; Details on library
preparation can be found in Chilcoat and Turkewitz (2001)
Proc. Natl. Acad. Sci USA, 98: 8709-8713."
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Tytkewitz, A.P., Karzer,K.M., Jahn,C., Orias,E., Kirk,K.E., Frankel
,J. and Klobutcher,L.
BST from Tetrahymena thermophila, strain CU428.1, growing cells
                                                                                                                             /note="Vector: PWD42nv; Purified genomic DNA from M.musculus C57BL/6J (male) was obtained from the Jackson Laboratory Mouse DNA Resource
                                                                                                        /lab host="E. Coli strain XL10-Gold, T1-resistant, F-"
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                    /clone="UUGC1M0016E09"
/clone_lib="Mouse 10kb plasmid UUGC1M library"
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Hymenostomatida, Tetrahymenina, Tetrahymena.
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/organism="Tetrahymena thermophila"

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Molecular Genetics and Cell Biology
University of Chicago
920 E. 58th Street, Chicago, IL 60637, USA
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Seg primer: T3.
Location/Qualifiers
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Tetrahymena thermophila
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Fax: 773 702 3172
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              8 GACAGAGCCCA 18
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                                                                                                                                                                                                                 (http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polymucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptored DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pWD42 (gi=4/472114]pb]AR129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptored mouse DNA was annealed to adaptored vector DNA, and transformed into chemically-competent E. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."
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E 1 (Dases 1 to 24)

S Dunn, D., Aoyagi, A., Barber, M., Beacorn, T., Duval, B., Hamil, C., Islam, H., Longacre, S., Mahmoud, M., Meenen, E., Pedersen, T., Reilly, M., Rose, M., Stokes, R., Tingey, A., von Niederhausern, A. and Wright, D. Weiss, R., Stokes, R., Tingey, A., von Niederhausern, A. Mouse whole genome scaffolding with paired end reads from 10kb plasmid inserts
Unpublished (2000)

Contact: Robert B. Weiss
University of Utah Genome Center
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AZ309564 10SD plasmid UUGCIM library Mus musculus genomic clone UUGCIM0016E09F P, DNA sequence.
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                                                                                                           /lab_host="E. Coli strain XLIO-Gold, Tl-resistant, F-"
/note="Vector: PW142rv; Purified genomic DNA from M.
/note="Vectors" (From M. Strained from the Jackson Laboratory Mouse DNA Resource
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/db xref="taxon:10090"
/clone="UUGC1M0156H13"
/clone_lib="Wouse 10kb plasmid UUGC1M library"
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Fax: 801 585 7177
Email: ddunmogenetics.utah.edu
Insert Length: 10000 Std Error: 0.
Plate: 0016 row: E column: 09
Seg primer: CGTTGTAAAACGACGCCAGT
Class: plasmid ends
High quality sequence stop: 24.
Location/Qualifiers
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Best Local Similarity 100.
Matches 11; Conservative
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84112, US
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/strain="Columbia 0"
/db xref="taxon:3702"
/clone="GK-188A07-014624"
/clone="GK-188A07-014624"
/clone="CR was performed on DNA from Arabidopsis thaliana plants (T1) which were transformed with the T-DNA from vector policie. The lines contain one or more T-DNA insertions. The DNA fragment(s) resulting from the PCR were directly sequenced to determine the genomic sequence flanking the insertion. Sequences displaying significant similarity to the A. thalaina nuclear genome sequence processed for submission. T-DNA derived sequences were
                                                                                                                                                                                                                                Submitted (17-JUN-2002) Weisshaar B., Max-Planck-Institut fuer Zuechtungsforschung, Carl-von-Linne-Weg 10, Koeln, 50829, Germany This sequence is recovered from the left border of the T-DNA. It indicates an insertion close to owithin gene At1907990. The sequences are generated at the MPI for Plant Breeding Research in the context of the GABI-Kat project. GABI-Kat is part of the German Plant Genomics program designated 'GABI'. Information on line availability can be found at:

Location/Qualifiers
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                                                Rosso,M., Strizhov,N., Li,Y., Reiss,B., Dekker,K. and Weisshaar,B. A new Arabidopsis thaliana T-DNA mutagenised population (GABI-Kat) for flanking sequence tag based reverse genetics unpublished
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Kitayama, A., Terasaka, C., Mochii, M., Ueno, N., Shin-i, T. and Kohara
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Mphibia, Batrachia, Anura, Mesobatrachia, Pipoidea, Pipidae,
Xenopodinae, Xenopus.
1 (bases 1 to 37)
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BJ063841
                                                                                                                                                                  3 (bases 1 to 34)
Rosso, M., Li, Y., Strizhov, N. and Weisshaar, B.
Direct Submission
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Tel: 81-559-81-6856
Fax: 81-559-81-6855
Email: tshinidgenes.nig.ac.jp.
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              /organism="Arabidopsis thaliana"
/strain="Columbia 0"
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Contex: Tadams Shin-i
Centex For Genetic Resource Information
National Institute of Genetics
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Xenopus laevis
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  transformed lines
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34 bp DNA linear GSS 18-JUN-2002 Arabidopsis thaliana T-DNA flanking sequence GK-188A07-014624, genomic survey sequence.
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/Btrain="CU428.1"
/db xref="taxon:5911"
/clone_lib="Chilcoat/Turkewitz cDNA (large fraction)"
/clone_lib="Chilcoat/Turkewitz cDNA (large fraction)"
/note="Vector: BlueScript2 SK+; Details on library
preparation can be found in Chilcoat and Turkewitz (2001)
Proc. Natl. Acad. Sci USA, 98: 8709-8713."
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Eukaryota, Viridiplantae, Streptophyta, Embryophyta, Tracheophyta,
Spermatophyta, Magnoliophyta, eudicotyledons, core eudicots,
Rosidae, eurosids II, Brassicales, Brassicaceae, Arabidopsis.
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A pipeline for automated high-throughput generation of FSTs (flanking sequence tags) from Arabidopsis thaliana T-DNA
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Purkewitz,A-E., Karrer,K.M., Jahn,C., Orias,E., Kirk,K.E., Frank,J. and Klobutcher,L.
EST from Tetrahymena thermophila, strain CU428.1, growing cells
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Tetrahymena thermophila
Bukaryota, Alveolata; Ciliophora; Oligohymenophorea;
Hymenostomatida; Tetrahymenina; Tetrahymena.
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    Length 26;
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    .33
/organism="Tetrahymena thermophila"

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920 E. 58th Street, Chicago, IL 60637, USA
Tel: 773 702 4374
36.7%; Score 11; DB 13; L ilarity 100.0%; Pred. No. 1.8e+04; Conservative 0; Mismatches 0;
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100.0%; Pred. No. 1.9e+04;
iive 0; Mismatches 0;
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Contact: Turkewitz AP
Molecular Genetics and Cell Biology
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Seq primer: T3.
Location/Qualifiers
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Query Match
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BM397151 17-JAN-2002 5009-0-29-F01.t.1 Chilcoat/Turkewitz cDNA (large fraction) Tetrahymena thermophila cDNA, mRNA sequence.
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Bukaryota, Alveolata; Ciliophora; Oligohymenophorea;
Hymenostomatida; Tetrahymenina; Tetrahymena.
1 (bases 1 to 45)
Turkewitz, A.P., Karrer, K.M., Jahn, C., Orias, E., Kirk, K.E., Frankel
'J. and Klobutcher, L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          /db_xref="taxon:5911"
/clone_lib="Chilcoat/Turkewitz_cDNA_(large_fraction)"
/note="Vector: BlueScript2 SK+; Details on library
preparation.can be found in Chilcoat and Turkewitz (2001)
Proc. Natl. Acad. Sci USA, 98: 8709-8713."
                                                                                                                                                                                                                                                                                                                                                                                                                                                             Kirk, K.E., Frankel
                                                                                                                                                                                                                                                                                                                                                                                                                                         1 (bases 1 to 44)
Turkewitz, A.P., Karrer, K.M., Jahn, C., Orias, E., Kirk, K.E., Franh, J. and Klobutcher, L.
EST from Tetrahymena thermophila, strain CU428.1, growing cells Unpublished (2002)
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Tetrahymena thermophila
Eukaryota; Alveolata; Ciliophora; Oligohymenophorea;
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    .44
    /organism="Tetrahymena thermophila"

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Molecular Genetics and Cell Biology
University of Chicago
920 E. 58th Street, Chicago, IL 60637, USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   36.7%; Score 11; DB 13; I 100.0%; Pred. No. 2.2e+04; ive 0; Mismatches 0;
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    Pred. No. 2.1e+04;
                        Mismatches
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Contact: Turkewitz AP
Molecular Genetics and Cell Biology
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Tel: 773 702 4374
Fax: 773 702 3172
Email: apturkew@midway.uchicago.edu
Seq primer: T3
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A Sequence-Indexed Library of Insertion Mutations in the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Arabidopsis thaliana
Eukaryota, Viridiplantae, Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots;
Rosidae; eurosids II; Brassicales; Brassicaceae; Arabidopsis.

1 (bases 1 to 40)
                                                                                                                                   /rissue_type="whole embryo"
/dev stage="stage 25"
/note="vector: pBSRN3; Site_1: Not1; Site_2: EcoR1; cDNAs were oligo-dr primed and directionally cloned. Staging according to Nieuwkoop and Faber. Library is subtracted and was constructed by N. Garrett and A.M. Zorn, (Wellcome/CRC Institute). " 1 others
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  /clone 11b="Arabidopsis thaliana TDNA insertion lines"
/clone 11b="Arabidopsis thaliana TDNA insertion lines
/note="PCR was performed on Arabidopsis thaliana lines
each of which contains one or more TDNA insertion
elements. The resultant fragment for each line was
directly sequenced to determine the genomic sequence at
the site of insertion. Details of the protocols used can
be found at http://signal.salk.edu/tdna_protocols.html"
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                                                                                                                                                                                                                                                                                                                                                                                                       Gaps

    .37
    /organism="Xenopus laevis"
    /db xref="taxon:8355"
    -fone="XL077114"
    /clone lb="NIBB Mochii normalized Xenopus tailbud library"

                                                                                                                                                                                                                                                                                                                                                                                                       ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Contact: Joseph R. Ecker
Salk Institute Genomic Analysis Laboratory (SIGNAL)
The Salk Institute for Biological Studies
10010 N. Torrey Pines Road, La Jolla, CA 92037, USA
1191: 858 453 4100 x1752
Fax: 858 558 6379
                                                                                                                                                                                                                                                                                                                                                       36.7%; Score 11; DB 13; Length 37; 100.0%; Pred. No. 2e+04; ive 0; Mismatches 0; Indels
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/strain="Columbia 0"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 11;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Class: TDNA tagged.
Location/Qualifiers
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BH851915.1 GI:21422786
                                                                                                                                                                                                                                                                                                                                                                              L Similarity 100.0%;
11; Conservative 0
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Unpublished (2001)
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                                                                                                                                                       /crganism="Tetrahymena thermophila"
/organism="CU428.1"
/db_xref="Laxon:5011"
/clone_lib="Chilcoat/Turkewitz cDNA (large fraction)"
/note="Vector: BlueScript2 SK+; Details on library
preparation can be found in Chilcoat and Turkewitz (2001)
Proc. Natl. Acad. Sci USA, 98: 8709-8713."
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/ Organism="Homo sapiens"

/ db xref="taxon:960"

/ clone="IMAGE:1448989"

/ clone=lib="NHGE:1448989"

/ clone=lib="NHH MGC_10"

/ lab_host="bH:08"

/ lab_host="bH:08"

/ note="Organ: cervix; Vector: pCMV-SPORT6; Site_1: Not1;

Site_2: Sal1; Cloned unidirectionally. Primer: Oligo dT.

Average insert size 1.5 kb. Library prepared by Life
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Homo sapiens

Bukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.

I (basea 1 to 47)

NIH-MGC http://mgc.ncl.nih.gov/.
National Institutes of Health, Mammalian Gene Collection (MGC)
Unpublished (1999)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CDNA Library Preparation: Life Technologies, Inc.
CDNA Library Preparation: Life Technologies, Inc.
CDNA Library Arrayed by: Incyte Genomics, Inc.
DNA Sequencing by: Incyte Genomics, Inc.
Clone distribution: MGC clone distribution information can be found through the I.M.A.G.E. Consortium/LLNL at:
http://image.lln.gov
Plate: LLAM8425 row: a column: 22
High quality sequence stop: 47.
Location/Qualifiers
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University of Chicago
920 E. 58th Street, Chicago, IL 60637, USA
Tel: 773 702 4374
Fax: 773 702 3172
Email: apturkew@midway.uchicago.edu
Seq primer: 73
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Contact: Robert Strausberg, Ph.D.
Email: cgapbs-r@mail.nih.gov
Tissue Procurement: ATCC
                                                                                                                                       Location/Qualifiers
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Search completed: June 23, 2003, 10:10:19 Job time : 1548.89 secs

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GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.
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OM nucleic - nucleic search, using sw model

June 24, 2003, 22:17:30 ; Search time 45.5378 Seconds (without alignments) 202.036 Million cell updates/sec Run on:

US-08-770-564A-5 30 Title: Perfect score:

1 CTGACAGAGCCCAACTCTTCGCGGTGGCAG 30 Sequence:

Scoring table:

IDENTITY_NUC Gapop 10.0 , Gapext 1.0

441362 seqs, 153338381 residues Searched:

Total number of hits satisfying chosen parameters:

609818

Minimum DB seq length: 0 Maximum DB seq length: 50

Post-processing: Minimum Match 0% Maximum Match 100% Listing first 45 summaries

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/cgn2_6/ptodata/2/ina/PCTUS_COMB.seq:* Issued Patents NA: Database :

Pred. No: is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

STIMMARIES

		à			SUMMAKIES	
Result No.	Score	Query Match	Query Match Length DB	DB	ID	Description
1	30	100.0		7	US-08-770-565-5	Sequence 5, Appli
7	20	66.7	20	~	US-08-770-565-6	Sequence 6, Appli
c	20	66.7	20	~	US-08-770-565-7	Sequence 7, Appli
4	15.8	52.7	45	9	5198342-4	
0	15.2	50.7	43	-	US-07-797-556-15	Sequence 15, Appl
9	14.6	48.7	40	~	US-08-425-684-94	94,
c 7	14.6	48.7	40	~	US-08-675-502-94	94,
в С	14.4	48.0	26	N	US-08-859-998-77	77,
ر 0	14.4	48.0	26	4	US-09-225-928-77	77,
c 10	14.4	48.0	42	4	US-09-051-363-23	23,
1	14.2	47.3	30	-	US-08-285-440-16	16,
15	14.2	47.3	30	Н	US-08-630-349-16	16,
13	14.2	47.3	20	N	US-08-920-165-2	Sequence 2, Appli
c 14	14	46.7	26	m	US-08-974-180-33	33
15	13.8	46.0		Ч	US-08-091-519-5	'n
16	13.8	46.0		Н	US-08-106-507-7	7,
17	13.8	46.0	46	-	US-08-442-043A-5	Seguence 5, Appli
18	13.8	46.0		S	PCT-US91-03478-5	'n
c 19	13.8	46.0		4	US-09-338-907-222	222
	13.8	46.0	47	4	US-09-338-907-299	299,
c 21	13.8	46.0	4	4	US-09-218-207-222	222,
	13.8	4		4	US-09-218-207-299	299,
	13.6	45.3	48	7	US-08-629-039-9	9, Ap
54	13.6	4		~	US-08-629-039-10	10,
c 25	13.6	45.3	49	4	US-09-166-966E-3	Sequence 3, Appli
c 26	13.4	4		7	US-08-602-264A-11	1
c 27	13.4	44.7	32	٣	US-08-461-018A-11	1,

Sequence 11, Appl Sequence 8, Appl Sequence 46, Appl Sequence 46, Appl Sequence 69, Appl Sequence 11, Appl Sequence 11, Appl Sequence 11, Appl Sequence 12, Appl Sequence 23, Appl Sequence 5, Appli
US-09-216-958-11 US-08-746-883-8 US-08-484-557C-46 US-08-487-4268-46 US-08-487-720A-46 US-08-487-720A-46 US-08-448-7720A-69 US-08-619-109-1 US-08-619-109-1 US-08-619-109-1 US-08-09-65-1 US-08-09-65-1 US-08-2377-3 US-08-2377-3 US-08-477-254A-23 US-08-477-254A-23 US-08-477-254A-23 US-08-477-254A-23 US-08-477-254A-23 US-08-477-254A-23 US-08-477-254A-23 US-08-477-254A-23 US-08-477-254A-23 US-08-477-254A-23 US-08-477-254A-23 US-08-477-254A-23 US-08-477-254A-23 US-08-477-254A-23 US-08-748-774B-23 US-08-748-774B-23 US-08-748-774B-23 US-08-748-774B-23 US-08-97-75
4 6 1 1 2 2 4 1 4 1 4 1 4 1 1 1 1 1 1 1 1 1
4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
4.4.6.2.6.6.6.6.6.6.6.6.6.6.6.6.6.6.6.6.
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ALIGNMENTS

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APPLICANT: Kim, Nam Woo
APPLICANT: Wu, Pred
APPLICANT: Wu, Pred
APPLICANT: Realey, James T.
APPLICANT: Weinrich, Scott L.
APPLICANT: Weinrich, Scott L.
TITLE OF INVENTION: Methods for Detecting the RNA Component of TITLE OF INVENTION: Telomerase
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity 100.0%; Pred. No. 6.3e-05;
Matches 30; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           COMPUTER READABLE FORM:
COMPUTER READABLE FORM:
MEDIUM TYPE: RIOPY disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/770,565
FILING DATE: 20-DEC-1996
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
REGISTRATION NUMBER: 32,944
REGISTRATION INFORMATION:
TELECOMMULICATION:
TELECOMMULICATION:
TELECOMMULICATION:
                                                                                                                                                                                                                                                                                                                                                          ADDRESSEE: TOWNSEND and TOWNSEND and CREW LLP STREET: Two Embarcadero Center, 8th Floor Francisco STATE: San Francisco STATE: California
                                                 Sequence 5, Application US/08770565
Patent No. 5846723
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TELEPAX: 415-576-0300
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS
LENGTH: 30 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TOPOLOGY: linear MOLECULE TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                      STATE: C
RESULT 1
US-08-770-565-5
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Gaps

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1 CTGACAGAGCCCAACTCTTCGCGGTGGCAG 30

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Sequence 15, Application US/07797556
Patent No. 5262522
GENERAL INFORMATION:
APPLICANT: Gearing, David P.
TITLE OF INVENTION: Receptor for Oncostatin M and Leukemia TITLE OF INVENTION: Inhibitory Factor NUMBER OF SEQUENCES: 17
CORRESPONDENCE ADDRESS:
ADDRESSEE: Immunex Corporation STREET: 51 University Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 45;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 20;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Indels
                                                                                    CUDWIALL
CUPLIANT
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/770,565
FILING DATE: 20-DRC-1996
CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Patent No. 5198342

APPLICANT: MALIISZEWSKI, CHARLES R.

TITLE OF INVENTION: DNA ENCOGING IGA FC RECEPTORS;

NUMBER OF SEQUENCES: 9

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/07/548,059

FILING DATE: 05-JUL-1990
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 15.8; DB 6;
Pred. No. 1.6e+02;
0; Mismatches 2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      DB 2;
       Two Embarcadero Center, 8th Floor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Mismatches
                                                                                                                                                                                                                                                            APPLICATION: 435
CLASSIFICATION: 435
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Storella. John N.
REGISTRATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 01538'
TELECOMMUNICATION INFORMATION:
TELEPRONE: 415-576-0300
TELEFAX: 415-576-0300
TELEFAX: 415-576-0300
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 base pairs
TYPE: nucleic acid
TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 ccaacrerresessasses 20
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Best Local Similarity 100.0%; Pi
Matches 20; Conservative 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        7 GAGCCCAACTCTTCGCGGT 25
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89.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Best Local Similarity 89.5
Matches 17; Conservative
STREET: Two Engages CITY: San Francisco
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TOPOLOGY: linear MOLECULE TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-07-797-556-15/c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              LENGTH: 45
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US-08-770-565-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SEQ ID NO:4:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    5198342-4
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                                                                                                                                                                                                                                                               APPLICANT: Kealey, James T.
APPLICANT: Fruan, Ronald
APPLICANT: Pruan, Ronald
AUTILE OF INVENTION: Telomerase
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:
ADDRESSEE: TOWNSEND and TOWNSEND and CREW LLP
STREET: Two Embarcadero Center, 8th Floor
CITY: San Francisco
STATE: California
COWTYP: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYE: Floppy disk
COMPUTER: IBM PC Compatible
COMPUTER: IBM PC Compatible
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  GENERAL INFORMATION:
APPLICANT: Kim, Nam Woo
APPLICANT: Wealey, Fred
APPLICANT: Wealey, James T.
APPLICANT: Pruzan, Ronald
APPLICANT: Wealnrich, Scott L.
TITLE OF INVENTION: Methods for Detecting the RNA Component of
TITLE OF INVENTION: Telomerase
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ô
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 20; DB 2; Length 20;
Pred. No. 1.8;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SOFTWARENT APPLICATION DATA:
CURRENT APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE: 20-DEC-1996
CLASSIFICATION: 435
ATTONNEY/AGENT INFORMATION:
NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
REFRENCE/DOCKET NUMBER: 015389-002300US
TELECOMMULCATION INFORMATION:
TELECOMMULCATION INFORMATION:
TELECOMMULCATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TOWNSEND and TOWNSEND and CREW LLP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match 66.7%; Score 20; DB Best Local Similarity 100.0%; Pred. No. 1.8 Matches 20; Conservative 0; Mismatches
              1 CTGACAGAGCCCAACTCTTCGCGGTGGCAG 30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CTGACAGAGCCCAACTCTTC 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 7, Application US/08770565
Patent No. 5846723.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 CTGACAGAGCCCAACTCTTC 20
                                                                                                                                                Sequence 6, Application US/08770565
Patent No. 5846723
                                                                                                                                                                                                                   Kim, Nam Woo
Wu, Fred
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TELEPAX: 415-576-0300
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS
LENGTH: 20 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: nucleic acid
STRANDEDNESS: sing
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TOPOLOGY: linear MOLECULE TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADDRESSEE:
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                                                                                                    Length 40;
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Parent No. 5928905
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: LIPSHUTZ, ROBERT J.
TITLE OF INVENTION: END-COMPLEMENTARY POLYMERASE REACTION
NUMBER OF SEQUENCES: 136
CORRESONDERCE ADDRESS:
ADDRESSE: TOWNSEND AND TOWNSEND AND CREW
STREET: TWO EMBARCADERO CENTER, 9TH FLOOR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 40;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SIATE: CALLEGRALA

COUNTRY: U.S.A.

ZIP: 94111-3834

COMPUTER READABLE FORM:
MEDTUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PATENTIN Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/675,502
FLING DATE: 03-JUL-1996
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/425,684
FILING DATE: 18-APR-1995
CLASSIFICATION: 435
PRIOR APPLICATION: 435
PRIOR APPLICATION UNMBER: PCT/US96/05480
FLING DATE: 18-APR-1996
CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 14.6; DB 2;
Pred. No. 5.5e+02;
0; Mismatches 9;
                                                                                               Score 14.6; DB 2;
Pred. No. 5.5e+02;
0; Mismatches 9;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NAME: MURPHY, ESQ., MATTHEW B.
REGISTRATION NUMBER: 39,787
REFERENCE/DOCKET NUMBER: 16528J-015410US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 326-2400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              2 TGACAGAGCCCAACTCTTCGCGGTGGCAG 30
                                                                                                                                                                                                                                                   36 TGAGAAAGCGCCACGCTTCCCGAAGGGAG 8
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US-08-859-998-77/c
; Sequence 77, Application US/08859998
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TELEPHONE: (415) 326-2400
TELEFAX: (415) 326-2422
INFORMATION FOR SEQ ID NO: 94:
SEQUENCE CHARACTERISTICS:
LENGTH: 40 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
                                                                                               Query Match
Best Local Similarity 69.0%;
Matches 20; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity 69.0%;
Matches 20; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SAN FRANCISCO
                            circular
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  circular
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CALIFORNIA
STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                     US-08-675-502-94/c
                         ;
US-08-425-684-94
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Fatent No. 5834252
GENERAL INFORMATION:
APPLICANT: STEMER PH.D., WILLEM P.C.
TITLE OF INVENTION: END-COMPLEMENTARY POLYMERASE REACTION
NUMBER OF SEQUENCES: 136
CORRESPONDENCE ADDRESS:
ADDRESSEE: TOWNSEND AND TOWNSEND AND CREW
STREET: ONE MARKET PLAZA, STEUART STREET TOWER, 20TH FLOOR
STATE: CALIFORNIA
COUNTRY: U.S.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ; DB 1; Length 43; 3e+02;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           COUNTRY: U.S.A.

ZIP: 94105
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC Compatible
OPERATIONS SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/425,684
FILING DATE: 18-APR-1995
CLASSIFICATION NUMBER: US/08/425,684
FILING DATE: 18-APR-1995
CLASSIFICATION NUMBER: 18-587
REGISTRATION NUMBER: 34,587
REFERENCE/DOCKET NUMBER: 16528J-015400US
TELEPHONE: (415) 326-2400
TELEPHONE: (415) 326-2402
TELEPHONE: (415) 326-2402
TELEPHONE: (415) 326-2422
INFORMATION POR SEO ID NO: 94:
SEQUENCE CHARACTERISTICS:
TENGTH: An base Dairs
                                                                                       COMPUTER TEADABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: THE PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/797,556
FILING DATE: 19911122
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Seese, Kathryn A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ; Score 15.2; DB
; Pred. No. 3e+02
0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       31 TGACAAAGGAAATTCTTAGCGGCCGCA 4
                                                                                                                                                                                                                                                                                                                                           NAME: Seese, Kathryn A. REGISTRATION NUMBER: 32,172
REFERENCE/DOCKET NUMBER: 26(TELECOMMUNICATION: TELEPHONE: 206-587-0430
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity 71.4%;
Matches 20; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                              TELEFAX: 206-587-0606
INFORMATION FOR SEQ ID NO: 1
SEQUENCE CHARACTER.STICS:
LENGTH: 43 base pairs
TYPE: NUCLEIC ACLD
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TOPOLOGY: linear
HOLECULE TYPE: CDNA
US-07-797-556-15
Seattle
                                                USA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  OTHER INFORMATION: oligonucleotide primer SEQUENCE DESCRIPTION: SEQ ID NO: 77:
      COMPUTER: IBM Compatible
OPERATING SYSTEM: Windows95
SOFTWARE: FastSEQ for Windows Version 2.0
                                                                                                                                                     PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/859,998
FILING DATE: 21-MAY-1997
ATTORNEY/AGENT INFORMATION:
NAME: Field, Bret E.
REGISTRATION NUMBER: 37,620
REFERENCE/DOCKET NUMBER: 09096/002001
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-322-5070
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 14.4; DB 4;
Pred. No. 6.3e+02;
0; Mismatches 6;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Shibuya, Masabumi
APPLICANT: Okamoto, Masaji
APPLICANT: Okamoto, Masaji
APPLICANT: Niwa; Mikio
APPLICANT: Mateumoto, Tomoe
APPLICANT: Asano, Makoto
APPLICANT: Segawa, Toshiaki
TITLE OF INVENTION: VEGF-BINDING POLYPEPTIDES
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COMPUTER: IBM Compatible
OPERATING SYSTEM: Windows95
SOFTWARE: FASTERE for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/051,363
FILING DATE: 07-APR-1998
PRIOR APPLICATION DATA:
                                                                   CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/225,928
FILING DATE: 05-Jan-1999
CLASSIFICATION: «UNKNOWN»
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICATION NUMBER: PCT/JP96/02906
FILING DATE: 07-0CT-1996
APPLICATION NUMBER: 8/211892 JP
FILING DATE: 23-JUL-1996
APPLICATION NUMBER: 7/296476 JP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        7 GAGCCCAACTCTTCGCGGTGGCAG 30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                E: Fish & Richardson P.C.
225 Franklin Street
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Patent No. 6270993
                                                                                                                                                                                                                                                                                                                                                      TELEFAX: 415-854-0875
INFORMATION FOR SEQ ID NO: 77:
                                                                                                                                                                                                                                                                                                                                                                                                                     LENGTH: 26 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity 75.0%;
Matches 18; Conservative
                                                                                                                                                                                                                                                                                                                                                                                              SEQUENCE CHARACTERISTICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COUNTRY: USA
ZIP: 02110-2804
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Diskette
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TOPOLOGY: 1in
MOLECULE TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  GENERAL INFORMATION:
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CITY: Boston
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-09-051-363-23/C
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   STATE: MA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              FEATURE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        US-09-225-928-77
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GENERAL INFORMATION:
APPLICANT: Chenchik, Alex
APPLICANT: Chenchik, Alex
APPLICANT: Jokhađze, George
APPLICANT: Jokhađze, George
APPLICANT: Jokhađze, George
APPLICANT: Jokhađze, George
APPLICANT: Bibilashvilli, Robert
TITLE OF INVENTION: EXPRESSION
NUMBER OF SEQUENCES: 1375
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson, P.C.
STREET: 2200 Sand Hill Road, Suite 100
CITY: Menlo Park
STATE: CA
COUNTRY: US
COMPUTRY: US
COMPUTRY: BM Compatible
OPERATING SYSTEM: Windows95
SOFFWARE: FastSOF for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/859,998
FILING DATE: 21-MAY-1997
CLASSIFICATION: 435
FRICR APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Bibilashvilli, Robert
TITLE OF INVENTION: METHOD OF ASSAYING DIFFERENTIAL
EXPRESSION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            4; DB 2;
6.3e+02;
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ADDRESSEE: Fish & Richardson, P.C.
STREET: 2200 Sand Hill Road, Suite 100
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ATTORNEY/AGENT INFORMATION:
ATTORNEY/AGENT INFORMATION:
NAME: Field, Bret E. REGISTRATION NUMBER: 37,620
REFERENCE/DOCKET NUMBER: 09096/002001
TELECOMMUNICATION INFORMATION:
TELEFRANS: 415-822-5070
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   7 GAGCCCAACTCTTCGCGGTGGCAG 30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            24 GAGCGCCTCTCATCGCGGTAGCTG 1
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Patent No. 6352829
GENERAL INFORMATION:
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Jokhadze, George
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NUMBER OF SEQUENCES: 1375
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75.0%;
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COUNTRY: US
ZIP: 94025
COMPUTER READABLE FORM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
Best Local Similarity 75.0°
Matches 18; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CITY: Menlo Park
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  26 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  OTHER INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          MOLECULE TYPE: DNA
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Gaps

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Patent No. 5739008
GENERAL INFORMATION:
JENERAL INFORMATION:
MUMBER OF SEQUENCES: 32
CORRESPONDENCE ADDRESS:
ADDRESSEE: Wenderoth, Lind & Ponack STREET: 805 Fifteenth Street, N.W., #700
CITY: Washington
STATE: D.C.
COMPUTER READABLE FORM:
MEDIUM TYPE: Discompatible OPERATION SYSTEM: MS-DOS
SOFTWARE: IBM Compatible OPERATION SYSTEM: MS-DOS
SOFTWARE: MS-DOS
SOFTWARE: MS-DOS
FILING DATE: April 10, 1996
CLASSIFFATION NUMBER: US/08/630,349
FILING DATE: April 10, 1996
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0; Mismatches
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APPLICATION NUMBER: 08/285,440
FILING DATE: August 4, 1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/858,947
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    DOCUMENT NUMBER:
FILING DATE:
RELEVANT RESIDUES IN SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Best Local Similarity 70.4
Matches 19; Conservative
                                                                                                                                                                                                                                                                                                                                                    NAME/KEY:
LOCATION:
IDENTIFICATION METHOD:
                                                                                                                                                                                                                                                                                                                                                                                                             OTHER INFORMATION:
PUBLICATION INFORMATION:
AUTHORS:
                                                                                  HAPLOTYPE:
TISSUE TYPE:
CELL TYPE:
CELL LINE:
CREANELLE:
IMMEDIATE SOURCE:
LIBRARY:
CLONE:
POSITION IN GENOME:
CRROMOSOME/SEGMENT:
MAP POSITION:
                             STRAIN:
INDIVIDUAL ISOLATE:
DEVELOPMENTAL STAGE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-08-285-440-16
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                                                                                                                                                                                                                                                                                                                UNITS:
FEATURE:
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                                                                                                                                                                                                                                                                                                                                                                                                                   1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                STATE: D.C.
COUNTRY: U.S.A.
CAPPER READABLE FORM:
MEDIUM TYPE: Diskette, 5.25 inch, 500 kb
COMPUTER: IBM Compatible
OPERATING SYSTEM: MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADDRESSEE: Wenderoth, Lind & Ponack
STREET: 805 Fifteenth Street, N.W., #700
CITY: Washington
FILING DATE: 07-OCT-1995
ATTORNEY/AGENT INFORMATION:
NAME: Fraser, Ph.D., J.D., Janis K.
REGISTRATION NUMBER: 34,819
FERERENCE/DOCKET NUMBER: 06501/012001
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELEFAX: 200154
INFORMATION FOR SEQ ID NO: 23:
SEQUENCE CHARACTERISTICS:
LENGTH: 42 base pairs
TYPE: nucleic acid
TYPE: nucleic acid
STRANDEDNESS: Single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 16, Application US/08285440
; Patent No. 5523377
; GRARAL INFORMATION:
APPLICANT: Ken'ichiro HAYASHI et al.
TITLE OF INVENTION: POLYPEPTIDE
; NUMBER OF SEQUENCES: 32
; CORRESPONDENCE ALDERSS:
ADDRESSEE: Wenderoth, Lind & Ponack
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SOFTWARE: DisplayWrite
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/285,440
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PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/858,947
PILING DATE: March 27, 1992
ATTORNEY AGENT INFORMATION:
NAME: Warren M. Cheek, Jr.
REGISTRATION NUMBER: 33,367
REFERENCE/DOCKET NUMBER:
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       MOLECULE TYPE: other nucleic acid
                                                                                                                                                                                                                                                                                      TOPOLOGY: linear
MOLECULE TYPE: synthetic DNA
US-09-051-363-23
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                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity 93.8#
Matches 15; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      linear
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FRAGMENT TYPE:
ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FILING DATE:
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Sequence 33, Application US/08974180
; Patent No. 602519.
; Patent No. 602519.
; Farent No. 602519.
; APPLICANT: Funk, Walter
; TITLE OF INVENTION: Methods for Modulating and Identifying
; TITLE OF INVENTION: Cellular Senescence
; NUMBER OF SEQUENCES: 36
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Geron Corporation
; STREET: 230 Constitution Drive
; CITY: Menlo Park
; STATE: California
; COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length 26;
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Patent No. 5350683
GENERAL INFORMATION:
APPLICANT: Sims, John E.
APPLICANT: Cosman, David J.
APPLICANT: Mosley, Bruce A.
APPLICANT: Mosley, Bruce A.
APPLICANT: Mosley, Bruce A.
APPLICANT: Mosley, Bruce A.
APPLICANT: Mosley Bruce
                                                                                                                                                                                                                                                                                                                                                                                                                                                     CITY: Menlo Park
STATE: California
COUNTRY: USA
ZIP: 94025
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: Ploppy disk
COMPUTER: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/974,180
FILING DATE: 19-NOV-1997
CLASSIFICATION NUMBER: US/08/974,180
RIGHSTRATION NUMBER: 32,704
REGISTRATION NUMBER: 32,704
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 14; DB 3; L
Pred. No. 9.5e+02;
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LOCATION: 1..26
1.0CHTON: INFORMATION: /note= "primer hTR S328"
US-08-974-180-33
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STREET: 51 University Street
CITY: Seattle
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100.0%; Pre
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       REFERENCE DOCKET NUMBER: 206
TELECOMMUNICATION INFORMATION:
TELEPHONE: (650) 473-7779
TELEFAX: (650) 473-8654
INFORMATION FOR SEQ ID NO: 33:
SEQUENCE. CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Ouery Match
Best Local Similarity 100...
14; Conservative
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EDNESS: single
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US-08-091-519-5
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Patent No. 5972608
GENERAL INFORMATION:
APPLICANT: Deterson, Craig L.
APPLICANT: Logie, Colin
TITLE OF INVENTION: ASSAYS AND REAGENTS FOR CHROMATIN
TITLE OF INVENTION: REMODELING ENZYMES AND THEIR MODULATORS
                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match

47.3%; Score 14.2; DB 1; Length 30;
Best Local Similarity 70.4%; Pred. No. 7.9e+02;
Matches 19; Conservative 0; Mismatches 8; Indels
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Pred. No. 8.7e+02;
0; Mismatches 8;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            STATE: Massachusetts
COUNTRY: USA
ZIP: OL110-2804
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: Windows
SOFTWARE: FastSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/920,165
FILING DATE: 27-AUG-1997
CLASSIFICATION: 435
ATTORNEY AGENT INFORMATION:
NAME: Fasse, J. Peter
REGISTRATION NUMBER: 32,983
REGISTRATION NUMBER: 32,983
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      07917/057001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       4 ACAGAGCCCAACTCTTCGCGGTGGCAG 30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      2 ACCGAGCTCAAACCTTAGTGGGGGAAG 28
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson, P.C.
STREET: 225 Franklin Street
                                                                                                                                                                                                                                                                                                                                 other nucleic acid
FILING DATE: March 27, 1992
ATTORNEY/AGENT INFORMATION:
NAME: WARTEN M. Cheek, Jr.
REGISTRATION NUMBER: 33.367
INFORMATION FOR SEQ ID NO: 16:
SEQUENCE GHARACTERISTICS:
LENGTH: 30 base pairs
TYPE: nucleic acid
STRANDEDENS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            REFERENCE/DOCKET NUMBER: 07
FELECOMMUNICATION INFORMATION:
TELEPHONE: 617-542-5070
TELEFAX: 671-542-8906
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     47.38;
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Best Local Similarity 70.4
Matches 19; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TELEFORM
TELEFORM
TINFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 50 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            MOLECULE TYPE: Other
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                       linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      STREET: 225 F
CITY: Boston
                                                                                                                                                                                                                                                                                                                           ; MOLECULE TYPE;
; ANTI-SENSE; Ye
US-08-630-349-16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 JS-08-920-165-2
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COUNTRY: USA

ZIP 98101
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
OCNEUTER: IBM PC compatible
OCNEUTER: IBM PC compatible
OCNEUTER: IBM PC compatible
OCNEUTER: TAPE: PLOPSY MARKER
OCNEUTER: PAPELICATION DATA:
APPLICATION NUMBER: US/08/091,519
FLIANG DATE: US 07/534,193
FLIANG DATE: US 07/537,576
FLIANG DATE: US 07/537,576
FLIANG DATE: US 07/537,576
FLIANG DATE: US 07/537,071
FLIANG DATE: U
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0; Gaps

Score 13.8; DB 1; Length 46; Pred. No. 1.3e+03; 0; Mismatches 2; Indels

Query Match
Best Local Similarity 88.2%;
Matches 15; Conservative (

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Sequence 79874, A

9 US-10-098-263B-79874

25

44.7

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13.4
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                                                                                                                                                                                                                                                                                                                                                                                              June 25, 2003, 13:28:54 ; Search time 91.1952 Seconds (without alignments) 482.732 Million cell updates/sec
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1: \cgn2 \( \) \cgn \( \) 
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                                                                                    GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-08-770-564A-5
30
1 CTGACAGAGCCCAACTCTTCGCGGTGGCAG 30
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1042519 segs, 733713590 residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
                                                                                                                                                                                                                                                                                              OM nucleic - nucleic search, using sw model
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               IDENTITY NUC
Gapop 10.0 , Gapext 1.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Minimum DB seq length: 0 Maximum DB seq length: 50
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Title:
Perfect score:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Scoring table:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Searched:
٧,
                                                                                                                                                                                                                                                                                                                                                                                                               Run on:
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Query Match Length DB	DB	ID	Description
	14.8	49.3	28	6	US-10-151-320-25	Sequence 25, Appl
c 0	14.6	48.7	40	10	US-09-245-802-94	Sequence 94, Appl
٣	14.4	48.0	19	9	US-10-093-958-22	Sequence 22, Appl
Ω	14.4	48.0	31	10	US-09-801-274-373	Sequence 373, App
C	13.8	46.0	27	6	US-09-733-634-11	Sequence 11, Appl
9	13.8	46.0	46	σ	US-10-199-209-5	
C 7	13.8	46.0	47	0	US-09-853-526-222	Sequence 222, App
ه ن	13.8	46.0	47	σ	US-09-853-526-299	Sequence 299, App
o 0	13.8	46.0	47	10	US-09-901-484A-222	Sequence 222, App
c 10	13.8	46.0	47	10	US-09-901-484A-299	Sequence 299, App
c 11	13.6.	45.3	24	10	US-09-820-339A-23	Sequence 23, Appl
12	13.6	45.3	28	σ	US-10-152-363A-48	Sequence 48, Appl
c 13	13.6	45.3	29	σ	US-10-152-363A-41	Sequence 41, Appl
14	13.6	45.3	29	σ	US-10-152-363A-42	7
c 15	13.6	45.3	48	σ	US-10-152-363A-16	16, A
16	13.4	44.7	21	σ	US-09-909-567B-23	23, A
c 17	13.4	44.7	23	2	US-09-766-154-31	31,
c 18	13.4	44.7	25	6	US-10-098-263B-5571	·i
13	13.4	44.7	25	0	US-10-098-263B-47598	Segmence 47598, A

44.7 55 9 US-10-098-265B-84572 Sequence 84572, A 44.7 35 10 US-098-265B-84572 Sequence 8. Appl 44.7 35 9 US-10-016-891-8 Sequence 8. Appl 44.7 55 9 US-10-216-481-8 Sequence 8. Appl 44.7 55 9 US-09-978-255A-83 Sequence 8. Appl 44.7 55 9 US-09-978-192A-83 Sequence 8. Appl 44.7 55 9 US-09-978-192A-83 Sequence 8. Appl 44.7 55 9 US-09-978-191A-83 Sequence 8. Appl 44.7 55 9 US-09-978-564A-83 Sequence 8. Appl 44.7 55 9 US-09-978-564A-83 Sequence 8. Appl 44.7 55 9 US-09-978-564A-83 Sequence 8. Appl 44.7 55 9 US-09-978-824-83 Sequence 8. Appl 44.7 55 9 US-09-978-824-83 Sequence 8. Appl 44.7 55 9 US-09-978-824-83 Sequence 8. Appl 44.7 50 9 US-09-978-834-83 Sequence 8. Appl 44.7	RESULT 1 US-10-151-320-25 Sequence 25, Application US/10151320 Publication No. US20030092114A1 GENERAL INFORMATION: APPLICANT: Luche, Ralf M. APPLICANT: Luche, Ralf M. TITLE OF INVENTION: DSP-18 DUAL-SPECIFICITY PHOSPHATASE FILE REFERENCE: 200125.436 CURRENT APPLICATION NUMBER: US/10/151,320 CURRENT APPLICATION NUMBER: US/10/151,320 CURRENT PILING DATE: 2002-05-16 NUMBER OF SEQ ID NOS: 42 SOFTWARE: FastSEQ for Windows Version 4.0 SEQ ID NO 25 LENGTH: 28 TYPE: DNA ORGANISM: Artificial Sequence FEATURE: PEATURE: OTHER INFORMATION: Oligonucleotide primer used for PCR.	Query Match 49.3%; Score 14.8; DB 9; Length 28; Best Local Similarity 73.1%; Pred: No. 1.9e+03; No. 1.9e+03; Matches 19; Conservative 0; Mismatches 7; Indels 0; Gaps 0; (*** I CTGACAGAGCCCAACTCTCGGGTG 26** (*** I CTGACCAACTCTTCAGGTG 26** (*** I CTGGCCAACTCTTCAGGTG 26** (*** I CTGGCCAACTCTTCAGGTG 26** (*** I CTGGCCAACTCTTCAGGTG 26** (*** I CTGGCCAACTCTTCAGGTG 26** (*** Application US/09245802 Sequence 94, Application US/09245802 Sequence 94, Application US/09245802 APPLICAMT STEMMER PH.D., WILLIAM P.C. APPLICAMT : LIPSHTTZ, ROBERT J TITLE OF INVENTION: END-COMPLEMENTARY POLYMERASE REACTION NUMBER OF SEQUENCES: 136 CORRESPONDENCE ADDRESS: ADDRESS: ADDRESS: ADDRESS: ADDRESS: ADDRESSE: TWO EMBARCADERO CENTER, 8TH PLOOR
	SULT 1 10-151-320-25 Sequence 25, Application No. US203 RENERAL INFORMATION: US203 APPLICANT: Luche, Ral APPLICANT: Wei, Bo TITLE OF INVENTION: DE TILE REFERENCE: 20012 CURRENT APPLICATION OUTHER PARTS FAST SOFTWARE: FAST SOFTWARE: FAST SOFTWARE: DNA OCHARNISM: ARTIFICIAL REGALES DNA OCHARNISM: ARTIFICIAL REGALES DNA OCHARNISM: ARTIFICIAL REGALES: OTHER INFORMATION: O-10-151-320-25	ry Match t Local Similarity ches 19; Conservation 1 CTGACAGAG 1 CTGGCCCAGG 1 CTGGCCCAGG 1 CTGGCCCAGG 1 CTGGCCCAGG 1 CTGGCCAGG 1 CTGGCAGG 1 CTGGCCAGG 1 CTGGCAGG 1 CTGG
000 01222222222222222222222222222222222	RESULT 1 US-10-151-32 Sequence 2 Sequence 3 FILLE REFE FILE REFE CURRENT A CURRENT A CURRENT A CURRENT B CURRE	Query Match Best Local S Matches 19 Qy 1 Db 1 RESULT 2 US-09-245-802- Sequence 94, Patent No. U Patent No.

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APPLICANT: Messachusetts General Hospital
TITLE OF INVENTION: Method to stimulate Insulin production by pancreatic b-cells
FILE REFERENCE: 17533/120
CURRENT APPLICATION NUMBER: US/09/733,634
CURRENT FILING DATE: 2000-12-08
PRIOR PILING DATE: 1999-12-10
NUMBER OF SEQ ID NOS: 32
SOFTWARE: Patentin version 3.0
ENG NO 11
LENGTH: 27
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 31;
                                                                                                                                Sequence 373, Application US/09801274

Sequence 373, Application US/09801274

Patent No. US2002003219319A1

GENERAL INFORMATION:
APPLICANT: Cargill, Michele
APPLICANT: Ireland, James S.
TITLE OF INVENTION: HUMAN SINGLE NUCLEOTIDE POLYMORPHISMS
FILE REFERENCE: 2825.2009-001

CURRENT FILICATION: NUMBER: US/09/801,274

CURRENT FILING DATE: 2000-03-07

PRIOR APPLICATION NUMBER: US 60/187,510

PRIOR APPLICATION NUMBER: US 60/206,129

PRIOR FILING DATE: 2000-03-07

PRIOR FILING DATE: 2000-05-07

PRIOR FILING DATE: 2000-05-07

SOFTWARE: FastSEQ for Windows Version 4.0

SEQ ID NO 373

LENGTH 3.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 27;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 14.4; DB 10;
Pred. No. 2.9e+03;
1; Mismatches 7;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match

46.0%; Score 13.8; DB 9;
Best Local Similarity 72.0%; Pred. No. 5.5e+03;
Matches 18; Conservative 0; Mismatches 7;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              5 CAGAGCCCAACTCTTCGCGGTGGCAG 30
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       OTHER INFORMATION: Synthetic primer NAME/KEY: misc feature (27) (17) (17) (17) OTHER INFORMATION: Synthetic primer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            26 craacaggccacacacrccccagr
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 11, Application US/09733634 Publication No. US20030013646A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         48.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: DNA
ORGANISM: Artificial Sequence
5 CAGAGCCCAACTCTTC 20
                                         4 cagagecegaarerre 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity 69.2
Matches 18; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ; ORGANISM: Homo sapiens
US-09-801-274-373
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         RESULT 5
US-09-733-634-11/c
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Publication No. US20030044423A1
GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
TITLE OF INVENTION: Expression Technology for Proteins Containing a Hybrid Isotype AT
TITLE OF INVENTION: Moiety
FILE REFERENCE: LEX.016
CURRENT APPLICATION NUMBER: US/10/093,958
CURRENT FILING DATE: 2002-03-07
PRIOR APPLICATION NUMBER: US 60/274,096
PRIOR FILING DATE: 2001-03-07
NUMBER OF SEQ ID NOS: 50
SOFTWARE: Patentin version 3.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ö
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 14.4; DB 9; Length 19;
Pred. No. 3e+03;
0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         FEATURE:
, OTHER INFORMATION: forward primer for gamma 1 hinge region US-10-093-958-22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Indels
                                                                                                                                SOFTWARE: PatentIn Release #1.0, Version #1.25 CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/245,802
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NAME: MURPHY, ESQ., MATTHEW B.
REGISTRATHON NUMBER: , 39,787
REFERENCE/DOCKET NUMBER: 16528J-015410US
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         2 TGACAGACCCAACTCTTCGCGGTGGCAG 30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                36 reaganadececenecrireceanegene
                                                                                                                                                                                                                                                                                                                                                    CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US96/05480
FILING DATE: 18-APR-1996
CLASSIFICATION:
ATTORNEY/AGENT INPORMATION:
                                                                                                                                                                                                                                                                  CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/675,502
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            48.0%;
ilarity 93.8%;
Conservative C
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: DNA ORGANISM: artificial sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (415) 326-2400
                                                             ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TELEFAX: (415) 326-2422
INFORMATION FOR SEQ ID NO: 5
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity 69.0°
Matches 20; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    40 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: nucleic acid
STRANDEDNESS: double
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ; TOPOLOGY: circular
US-09-245-802-94
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity
Matches 15; Conserv
                                                U.S.A.
                                                                                                                                                                                                                                                                                                                                  FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TELEPHONE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                RESULT 3
US-10-093-958-22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SEQ ID NO 22
LENGTH: 19
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ON: 25..47
INFORMATION: complement potential microsequencing oligo 4-84-241.mis2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       LOCATION: 1..23 CONTROL OCTHER INFORMATION: potential microsequencing oligo 4-84-241.misl NAME/KEY: primer_bind COCATION: 25..47
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 13.8; DB 9;
Pred. No. 5.4e+03;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          LOCATION: 1..47
OTHER INFORMATION: polymorphic fragment 4-84-241
NAME/KEY: allele
LOCATION: 24
APPLICANT: Blumenfeld, Marta
APPLICANT: Ilya, Chumakov
TTTLB OF INVENTION: PROSTATE CANCER
TITLE OF INVENTION: PROSTATE CANCER
FILE REPERENCE: GENSET.18CPLCP
CURRENT APPLICATION NUMBER: US/09/853,526
CURRENT FILING DATE: 2001-05-11
PRIOR APPLICATION NUMBER: 09/338,907
PRIOR FILING DATE: 1999-06-23
PRIOR FILING DATE: 1999-06-23
PRIOR FILING DATE: 1999-06-09-09
PRIOR FILING DATE: 1999-09-09
PRIOR FILING DATE: 1998-09-09
PRIOR FILING DATE: 1998-12-22
NUMBER OF SEQ ID NOS: 578
SOCTWARR: PATENT PATE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                0; Mismatches
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SQUENCE C 299, Application US/09853526

Patent No. US20020165345A1

GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Blumenfeld, Marta
APPLICANT: Blumenfeld, Marta
APPLICANT: Blumenfeld, Marta
APPLICANT: Bougueleret, Lydie
FILE REFERENCE: GENSET.18CPLCP
CURRENT APPLICATION NUMBER: US/09/853,526
CURRENT PAPLICATION NUMBER: 09/338,907
PRIOR APPLICATION NUMBER: 09/338,907
PRIOR FILING DATE: 1999-06-23
PRIOR PILING DATE: 1999-06-23
PRIOR PLING DATE: 1999-06-23
PRIOR PLING DATE: 1998-09-99
PRIOR PLING DATE: 1998-09-99
PRIOR PLING DATE: 1998-09-99
PRIOR PLING DATE: 1998-09-99
PRIOR PLING DATE: 1998-12-22
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                OTHER INFORMATION: polymorphic base G
NAME/KEY: primer_bind
LOCATION: 1..23
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Best Local Similarity 72.0%;
Matches 18; Conservative
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SOFTWARE: Patent.pm
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: DNA
ORGANISM: Homo Sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: DNA
ORGANISM: Homo Sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           FEATURE:
NAME/KEY: allele
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-09-853-526-222
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LENGTH: 47
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                                                                                           APPLICANT: Sims, John E.
Cosman, David J.
Lupton, Stephen D.
Mosley, Bruce A.
Dower, Steven K.
TITLE OF INVENTION: Type II Interleukin-1 Receptors
CORRESPONDENCES: 14
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.24
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/199,209
PILING DATE: 19-Jul-2002
CLASSIFICATION: «Unknown»
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/09/461,908
FILING DATE: «Uhknown»
APPLICATION NUMBER: US/08/091,519
FILING DATE: «Uhknown»
APPLICATION NUMBER: US/07/701,415
FILING DATE: «Uhknown»
APPLICATION NUMBER: US/07/701,415
FILING DATE: 0-UNN-1990
APPLICATION NUMBER: US/07/53,576
FILING DATE: 24-AUG-1990
APPLICATION NUMBER: US/07/573,F16
FILING DATE: 13-DEC-1990
APPLICATION NUMBER: US/07/627,071
FILING DATE: 13-DEC-1990
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NAME: Wight, Christopher L.
REGISTRATION NUMBER: 31680
REFERENCE/DOCKET NUMBER: 2003-C
                                                                                                                                                                                                                                                                                                                                                                        ADDRESSEE: Immunex Corporation
STREET: 51 University Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ANTI-SENSE: N
SEQUENCE DESCRIPTION: SEQ ID NO: 5:
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Patent No. US20020165345A1
GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ATTORNEY/AGENT INFORMATION
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INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: nucleic acid
STRANDEDNESS: single
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Best Local Similarity 88.2
Matches 15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                              CITY: Seattle
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COUNTRY: USA
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US-09-853-526-222/c
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Gaps

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APPLICANT: Chumakov, ilya
APPLICANT: Chumakov, ilya
APPLICANT: Chumakov, ilya
APPLICANT: Buogueleret, Lydie
APPLICANT: Bougueleret, Lydie
TITE OF INVENTION: Prostate Cancer Gene
FILE REFERENCE: GEN-T111XC3D2
CURRENT APPLICATION NUMBER: US/09/901,484A
CURRENT FILING DATE: 1997-12-22
PRIOR APPLICATION NUMBER: US 08/996,306
PRIOR APPLICATION NUMBER: US 09/918,207
PRIOR APPLICATION NUMBER: US 09/218,207
PRIOR FILING DATE: 1998-09-09
PRIOR FILING DATE: 1998-06-03
PRIOR FILING DATE: 1999-06-23
PRIOR FILING DATE: 1999-06-23
PRIOR PRIOR DATE: 1999-06-23
PRIOR PRIOR DATE: 1999-06-23
PRIOR PRIOR DATE: 1090-06-23
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41 AGAACTGAATTATTCACCGTGGCAG 17
                                                                                                                                                                                          Sequence 299, Application US/09901484A Patent No. US20020119460A1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SOFTWARE: Patentin version 3.1 SEQ ID NO 299
                                                                                                                                   RESULT 10
US-09-901-484A-299/c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NAME/KEY: allele
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                                          셤
                                                              CTHER INFORMATION: Dolymorphic fragment 4-84-241, variant version of SEQ ID222
NAME/KEY: allele
LOCATION: 24
OTHER INFORMATION: base T ; G in SEQ ID222
NAME/KEY: primer bind
LOCATION: 1.23
OTHER INFORMATION: potential microsequencing oligo 4-84-241.mis1
NAME/KEY: primer bind
LOCATION: 25..47
OTHER INFORMATION: complement potential microsequencing oligo 4-84-241.mis2
US-09-853-526-299
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OTHER INFORMATION: complement potential microsequencing oligo 4-84-241.mis2
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LOCATION: (1)...(47)

NAME/KEY: allele

LOCATION: (24)...(24)

LOCATION: (24)...(24)

NAME/KEY: primer bind

LOCATION: (1)...(23)

NAME/KEY: primer bind

LOCATION: (1)...(23)

LOCATION: (2)...(23)

LOCATION: (20)...(24)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match 46.0%; Score 13.8; DB 9; Length 47; Best Local Similarity 72.0%; Pred. No. 5.4e+03; Matches 18; Conservative 0; Mismatches 7; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   FILE REFERENCE: GRN-T11XC3D2

CURRENT APPLICATION NUMBER: US/09/901,484A

CURRENT APPLICATION NUMBER: US/09/901,484A

CURRENT APPLICATION NUMBER: US 08/996,306

PRIOR PILING DATE: 1997-12-22

PRIOR APPLICATION NUMBER: US 60/099,658

PRIOR APPLICATION NUMBER: US 09/218,207

PRIOR PILING DATE: 1998-12-22

PRIOR PRILING DATE: 1998-12-22

PRIOR PILING DATE: 1999-06-23

PRIOR PILING DATE: 1999-06-23

PRIOR PILING DATE: 1999-06-23

PRIOR PILING DATE: 1999-06-23

PRIOR PILING DATE: 1990-06-23
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APPLICANT: Blumenfeld, Marta
APPLICANT: Chumakov, Ilya
APPLICANT: Bougueleret, Lydie
TITLE OF INVENTION: Prostate Cancer Gene
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 6 AGAGCCCAACTCTTCGCGGTGGCAG 30
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NUMBER OF SEQ ID NOS: 578
SOFTWARE: PatentIn version 3.1
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Best Local Similarity 72.0%
Marches 18; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            -09-901-484A-222/c
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LENGTH: 47
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Gaps

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Indels

6 AGAGCCCAACTCTTCGCGGTGGCAG 30

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APPLICANT: BARCHAN, Dora
APPLICANT: SOURCUJON, Miriam
TITLE OF INVENTION: RECOMBINANT FRAGMENTS OF THE HUMAN ACETYLCHOLINE RECEPTOR AND THITLE OF INVENTION: POR TREATMENT OF MYASTHENIA GRAVIS
FILE REFERENCE: FUCHS=2A
CURRENT APPLICATION NUMBER: US/09/820,339A
CURRENT APPLICATION NUMBER: 09/423,398
PRIOR APPLICATION NUMBER: 09/423,398
PRIOR FILING DATE: 1999-11-08
PRIOR FILING DATE: 1999-11-08
COTHER INFORMATION: (1)...(47)
COTHER INFORMATION: polymorphic fragment 4-84-241, variant version of SEQ ID 222
NAME/KEY: allele
LOCATION: (24)...(24)
COTHER INFORMATION: polymorphic base T; G in SEQ ID 222
NAME/KEY: primer bind
LOCATION: (1)...(23)
COTHER INFORMATION: potential microsequencing oligo 4-84-241.mis1
NAME/KEY: primer bind
LOCATION: (25)...(47)
COTHER INFORMATION: complement potential microsequencing oligo 4-84-241.mis2
US-09-901-484A-299
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46.0%; Score 13.8; DB 10; Length 47;
Best Local Similarity 72.0%; Pred. No. 5.4e+03;
Matches 18; Conservative 0; Mismatches 7; Indels (
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Gaps
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                                            Length 29;
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                                                                                                                                                                                                                        RESULT 14
US-10-152-363A-42
i Sequence 42, Application US/10152363A
i Publication No. US20030103986A1
i GENERAL INFORMATION:
APPLICANT: Rixon, Mark W.
ITLE OF INVENTION: TACI-Immunoglobulin Fusion Proteins
FILE REPERENCE: 01-20
CURRENT FILING DATE: 2002-05-20
PRIOR PLILING DATE: 2001-05-24
i NUMBER OF SEQ ID NOS: 70
i SOFTWARE: PRASESEQ for Windows Version 3.0
i LENGTH: 29
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; Sequence 16, Application US/10152363A
; Publication No. US20030103986A1
; GENERAL INFORMATION:
; APPLICANT: Rixon, Mark W.
; APPLICANT: Gross, Jane A.
; TITLE OF INVENTION: TACI-Immunoglobulin Fusion Proteins
; PILE REFERENCE: 01-20
; CURRENT FILING DATE: 2002-05-20
; PRIOR APPLICATION NUMBER: 60/293,343
; PRIOR PILING DATE: 2001-05-24
; PRIOR PILING DATE: 2001-05-24
                                                                                      4; Indels
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                                            Score 13.6; DB 9;
Pred. No. 6.8e+03;
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Pred. No. 6.8e+03;
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Pred. No. 6.7e+03;
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SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 16
LENGTH: 48
                                                                                                                           1 CTGACAGAGCCCAACTCTTC 20
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                                            45.3%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ; OTHER INFORMATION: PCR primer. US-10-152-363A-42
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80.0%;
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Best Local Similarity 80.0°
Matches 16; Conservative
                                            Query Match
Best Local Similarity 80.0
Matches 16; Conservative
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Best Local Similarity 80.0
Matches 16; Conservative
        US-10-152-363A-41
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                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 48. Application US/10152363A

Publication No. US20030103986A1

GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Gross, Jank W.
TITLE OF INVENTION: TACI-Immunoglobulin Fusion Proteins
FILE REFERENCE: 01-20
CURRENT APPLICATION NUMBER: US/10/152,363A

CURRENT PILING DATE: 2002-05-20
FRIOR FILING DATE: 2001-05-24

NUMBER OF SEQ ID NOS: 70
SEQ ID NOS: 70
SEQ ID NOS: 70
LENGTH: 28
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Sequence 41, Application US/10152363A

Publication No. US20030103986A1

GENERAL INFORMATION:
APPLICANT: Rixon, Mark W.
APPLICANT: Gross, Jane A.
TITLE OF INVENTION: TACI-Immunoglobulin Fusion Proteins
FILE REFERENCE: 01-20

CURRENT APPLICATION NUMBER: US/10/152,363A

CURRENT FILING DATE: 2002-05-20

PRIOR APPLICATION NUMBER: 60/293,343

PRIOR PLIING DATE: 2001-05-24

NUMBER OF SEQ ID NOS: 70

SOFTWARE: FastSEQ for Windows Version 3.0
                                                                                                                                                                                                                                                                      Indels
                                                                                                                                                                                                                              Score 13.6; DB 10;
Pred. No. 6.8e+03;
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Best Local Similarity 80.0%; Pred. No. 6.8e
Matches 16; Conservative 0; Mismatches
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                                                                                                                                                                                                                                                                                                                                   24 CCGAGTCTCCGCGGTGTCA 5
PRIOR FILING DATE: 1998-05-06
NUMBER OF SEQ ID NOS: 32
SOFTWARE: PatentIn version 3.0
SEQ ID NO 23
LENGTH: 24
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OTHER INFORMATION: PCR primer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: DNA ORGANISM: Artificial Sequence
                                                                                                      TYPE: DNA ORGANISM: Artificial Sequence
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; CTHER INFORMATION: synthetic US-09-820-339A-23
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Search completed: June 25, 2003, 22:25:03 Job time: 92.1952 secs

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Sequence 1064, Ap
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Sequence 1470, Ap
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Sequence 5, Appl:
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Sequence 105231,
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Sequence 7,
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/pna/US6018_
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/cgn2_6/ptodata/2/pna/US6041_
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                                                                                                    June 24, 2003, 22:19:40; Search time 2545.58 Seconds (without alignments) 296.308 Million cell updates/sec
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1: /cgn2_6/ptodata/2/pna/US06_COMB.seq:*
2: /cgn2_6/ptodata/2/pna/US06_COMB.seq:*
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10: /cgn2_6/ptodata/2/
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GenCore version 5:1.6
Copyright (c) 1993 - 2003 Compugen Ltd.
                                                                                                                                                                                                              1 CTGACAGAGCCCAACTCTTCGCGGTGGCAG 30
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Maximum Match 100%
Listing first 45 summaries
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Gapop 10.0 , Gapext 1.0
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DB seq length: 50
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Perfect score:
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Maximum I
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Appli

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GENERAL INFORMATION:
APPLICANT: Realey, James T.
APPLICANT: Prizan, Ron
TITLE OF INVENTION: Inhibitory Polynucleotides Directed
TITLE OF INVENTION: Inhibitory Polynucleotides Directed
TITLE OF INVENTION: Against the RNA Component of Telomerase
NUMBER OF SEQUENCES: 15
CORRESPONDENCE ADDRESS:
ADDRESSE: TOWNSEND and TOWNSEND and CREW LLP
STREET: TWO Embarcadero Center, 8th Floor
CHIY: San Francisco
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                100.0%; Score 30; DB 11; Length 30; 100.0%; Pred. No. 0.0074; ive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                         100.0%; Score 30; DB 1; Length 30; 100.0%; Pred. No. 0.0074; vative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COMPUTER: FLORDY disk
COMPUTER: FLORDY disk
COMPUTER: TEM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/770,564A
FILING DATE: 20-DEC-1996
CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 015389-002200US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-576-0200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 CTGACAGAGCCCAACTCTTCGCGGTGGCAG 30
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Best Local Similarity 100.0
Matches 30; Conservative
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Best Local Similarity 100.C
Matches 30; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         STATE: CA
COUNTRY: USA
ZIP: 94111
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy di
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LENGTH: 30 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
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STRANDEDNESS: single
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US-08-521-634-15/c
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US-08-770-564A-5
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Sequence 2805, Ap
Sequence 141444,
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Sequence 134580,
Sequence 592670,
Sequence 5017, Ap
                                                                Sequence 99299,
Sequence 187, App
Sequence 40536, A
Sequence 301573,
Sequence 301573,
Sequence 809390,
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Sequence 2846, Ap
Sequence 38072, A
Sequence 24820, A
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APPLICANT:
APPLICANT:
TITLE OF NUCENTION: Methods for Detecting and Inhibiting the TITLE OF INVENTION: RNA Component of Telomerase NUMBER OF SEQUENCES: 29
CORRESPONDENCE ADDRESS:
ADDRESSER: Twomsend and Townsend and Crew LLP STREET: Two Embarcadero Center, Eighth Floor CITY: San Francisco STRATE: California
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US97/23619
FILING DATE: Not yet assigned
                         Sequence
  US-10-227-565-62082
US-60-233-620-16515
US-60-233-620-16528
US-60-233-987-99259
US-60-353-987-99259
US-09-954-427-301273
US-09-954-427-301273
US-60-233-166-301573
US-60-233-166-301573
US-60-233-166-301573
US-60-233-166-301573
US-60-233-166-301573
US-09-966-040-141444
US-09-956-6048-141444
US-09-956-6048-141444
US-09-956-6048-141444
US-09-956-6048-141444
US-09-956-6048-141444
US-09-956-6048-141444
US-09-956-0048-141444
US-09-956-0048-114580
US-09-956-0048-114444
US-00-234-049-134580
US-09-198-452A-5017
PCT-US02-15-906-25
US-10-151-220-25
US-10-436-752A-28450
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APPLICATION NUMBER: US 08/770,564
FILING DATE: 20-DEC-1996
PRIOR APPLICATION NUMBER: US 08/770,565
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/770,565
ATTORNEY AGENT INFORMATION:
NAME: SCOTEL13, John R.
REGISTRATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 15389-27PC
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEPHONE: (415) 576-0300
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ALIGNMENTS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 5, Application PC/TUS9723619
GENERAL INFORMATION:
APPLICANT:
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PCT-US97-23619-5
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Indels
                                                                                                                                          COUNTRY: USA

ZIP: 9411-3834

COMPUER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBA PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PATENTN PATA:
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US97/23619
FILING DATE: NOT YET ASSIGNED
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/770,564
FILING DATE: 20-DEC-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/770,565
FILING DATE: 20-DEC-1996
ATTORNEY/AGENT INFORMATION:
APPLICATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 15389-27PC
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0300
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TITLE OF INVENTION: Methods for Detecting and In
TITLE OF INVENTION: RNA Component of Telomerase
NUMBER OF SEQUENCES: 29
CARRESPONDENCES: ADDRESSER: ADDRESSER: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
  NUMBER OF SEQUENCES: 29
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 20; DB 1; L
Pred. No. 2.1e+02;
                                                                   STREET: Two Embarcadero Center, Eighth Floor
CITY: San Prancisco
STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           100.0%; Pred. ...
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ; NAME/KEY: -
; LOCATION: 1..20
; OTHER INFORMATION: /note= "oligo 16ab"
PCT-US97-23619-6
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GENERAL INFORMATION:
   APPLICANT:
   APPLICANT:
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Best Local Similarity 100.
Matches 20; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ZIP: 94111-3834
COMPUTER READABLE FORM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CITY: San Francisco
STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TOPOLOGY: linear
MOLECULE TYPE: DNA
                                                                                        CITY: San
STATE: Ca
COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PCT-US97-23619-7
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APPLICANT:
APPLICANT:
APPLICANT:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match

80.0%; Score 24; DB 9; Length 24;
Best Local Similarity 100.0%; Pred. No. 3.5;
Matches 24; Conservative 0; Mismatches 0; Indels
                                                                                                                                                          JURET: One Market Plaza, Steuart Tower, Suite 2000 CITY: San Francisco STATE: California COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                               OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/521,634
FILING DATE: 31-AUG-1995
CLASSIFICATION DATA:
APPLICATION NUMBER: US 08/482,115
FILING DATE: 7-JUN-1995
PRIOR APPLICATION NUMBER: US 08/472,802
FILING DATE: 7-JUN-1995
PRIOR APPLICATION NUMBER: US 08/472,802
FILING DATE: 7-JUN-1995
PRIOR APPLICATION NUMBER: US 08/330,123
FILING DATE: 27-OCT-1994
PRIOR APPLICATION NUMBER: US 08/272,102
FILING DATE: 7-JUL-1994
PRIOR APPLICATION NUMBER: US 08/272,102
FILING DATE: 7-JUL-1994
ATPORNEY/AGENT INFORMATION:
APPLICATION NUMBER: 34,587
REGISTRANICATION NUMBER: 34,587
REGISTRANICATION INFORMATION:
NAME: DUMN, TAGAY J.
REGISTRANICATION INFORMATION:
TELEPHONE: 415-326-2400
TELEFRAX: 415-326-2402
INFORMATION FOR SEQ ID NO: 15:
SEQUENCE CHARACTERISFICS:
LENGTH: 24 base pairs
TYRANDENESS: single
TODER: TINDER: SINGLE
TODER: TINDER: SINGLE
TODER: TINDER: SINGLE
                                       APPLICANT: Villeponteau, Bryant
APPLICANT: Feng, Junli
APPLICANT: Funk, Walter
APPLICANT: Andrews, William
TITLE OF INVENTION: Mammalian Telomerase
NUMBER OF SEQUENCES: 66
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  MOLECULE TYPE: DNA (oligonucleotide)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             3 GACAGAGCCCAACTCTTCGCGGTG 26
                                                                                                                                                                                                                                                                                                              ZIP: 94105
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 6, Application PC/TUS9723619 GENERAL INFORMATION:
Sequence 15, Application US/08521634 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
TITLE OF INVENTION:
TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RESULT 4
PCT-US97-23619-6
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GENERAL INFORMATION:
APPLICANT: Realey, James T.
APPLICANT: Pruzan, Ron
APPLICANT: Weinrich, Scott L.
TITLE OF INVENTION: Inhibitory Polynucleotides Directed
TITLE OF INVENTION: Against the RNA Component of Telomerase
NUMBER OF SEQUENCES: 15
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 20;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 20;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Indels
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~~~A. NO. 2.16+02;
0;
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PRILICATION NUMBER: US/08/770,564A
FILING DATE: 20-DEC-1996
CLASSIFICATION: 514
NAVE: SCORIL INCRMATION:
REGISTRATION NUMBER: 32,944
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 STREET: Two Embarcadero Center, 8th Floor CIIY: San Francisco Conter, 8th Floor STATE: CA CONTENT CONTENTS OF TABLET CONTENTS O
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 20; DB 11; Pred. No. 2.1e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           015389-002200US
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match 66.7%; Score 20; DB Best Local Similarity 100.0%; Pred. No. 2.1 Matches 20; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            66./%,
100.0%; Pr
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TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-576-0200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ZIP: 94111
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TELEFAX: 415-576-0300
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
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                                                                            TELEFAX: 415-576-0300
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS
LENGTH: 20 base pairs
                                                                                                                                                                                                                                TYPE: nucleic acid
STRANDEDNESS: sinc
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                                                                                                                                                                                                                                                                                                        ; TOPOLOGY: linear; MOLECULE TYPE: DNA US-08-770-564A-6
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Matches 20; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                RESULT
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APPLICANT: Pruzan, Ron
APPLICANT: Pruzan, Ron
APPLICANT: Weinrich, Scott L.
TITLE OF INVENTION: Inhibitory Polynucleotides Directed
TITLE OF INVENTION: Against the RNA Component of Telomerase
NUMBER OF SEQUENCES: 15
CORRESPONDENCE ADDRESS:
ADDRESSEE: TOWNSEND and TOWNSEND and CREW LLP
STREET: TWO Embarcadero Center, 8th Floor
CITY: San Francisco
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match 66.7%; Score 20; DB 1; Length 20; Best Local Similarity 100.0%; Pred. No. 2.1e+02; Matches 20; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          mEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/770,564A
FILING DATE: 20-DEC-1996
CLASSIFICATION: 514
ATTORNEY/ACCURENT
MEDIUM TYPE: Floppy disk
COMPUTER: 1BM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATE:
PLING DATE: NOT yet assigned
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1.20
1.0CATION: 1..20
1.0THER INFORMATION: /note= "oligo 16bc"
PCT-US97-23619-7
                                                                                                                                                                                                                                                                  FILING DATE: NOT YEL ASSIGNED
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/770,564
FILING DATE: 20-DEC-1996
PRIOR APPLICATION NUMBER: US 08/770,565
ATTORNEY AGENT INFORMATION:
NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
REPERENCE/DOCKET NUMBER: 15389-27PC
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 6, Application US/08770564A GENERAL INFORMATION:
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NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TOPOLOGY: linear MOLECULE TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 USA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 105231, Application US/09956604
GENERAL INFORMATION:
APPLICANT: Mittenann, Michael
TITLE OF INVENTION: Methods of Genetic Analysis of Escherichia coli
FILE REPERENCE: 317.1
CURRENT APPLICATION NUMBER: US/09/956,604
CURRENT FILING DATE: 2001-09-19
PRIOR PILING DATE: 2000-09-19
NUMBER OF SEQ ID NOS: 141629
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 105231
LENGTH: 25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      GENERAL INFORMATION:
APPLICANT: Mittenann Michael
APPLICANT: Mittenann, Michael
TITLE OF INVENTION: Methods of Genetic Analysis of Escherichia coli
FILE REPERENCE: 3117.1
CURRENT APPLICATION NUMBER: US/09/956,604B
CURRENT FILING DATE: 2001-09-19
PRIOR FILING DATE: 2000-09-19
PRIOR FILING DATE: 2000-09-19
SEQ ID NOS: 141629
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
LENGTH: 25
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Pred. No. 1.1e+03;
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                                                                                                                                                                                                                                                                                                                                                              10 CCCAACTCTTCGCGGTGGCA 29
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Best Local Similarity 95.0%;
Matches 19; Conservative (
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Best Local Similarity 95.0%;
Matches 19; Conservative (
                                                                                                                                                                                                                                          ; ORGANISM: Escherichia coli
US-09-956-604-105231
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ORGANISM: Escherichia coli
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US-09-956-604B-105231
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US-09-956-604B-105231/c
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LENGTH: 25
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GENERAL INFORMATION:
APPLICANT: Cao, Yongwei
APPLICANT: Ghodsi, Azita
APPLICANT: Hinkle, Gregory J.
APPLICANT: McIninch, James
APPLICANT: Timberlake, William E.
APPLICANT: Timberlake, William E.
APPLICANT: Yu, Jachyuk
TITLE OF INVENTION: Emericella nidulans Genome Sequence and Uses Thereof
FILE REPREBROE: 38-10(15498)A
CURRENT APPLICATION NUMBER: US/09/404,520
CURRENT FILING DATE: 1999-09-23
                                                     Gaps
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Pred. No. 1.8e+03;
     Length
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APPLICANT: Mittmann, Michael
APPLICANT: Mittmann, Michael
TITLE OF INVENTION: Methods of Genetic Analysis of
TITLE OF INVENTION: Escherichia coli
FILE REFERENCE: 3117
FILE REFERENCE: 2000-09-19
CURRENT APPLICATION NUMBER: US/60/234,049
CURRENT FILING DATE: 2000-09-19
NUMBER OF SEQ ID NOS: 141629
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 86453
LENGTH: 25
Query Match 61.3%; Score 18.4; DB 36; Best Local Similarity 95.0%; Pred. No. 1.1e+03; Matches 19; Conservative 0; Mismatches 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match 61.3%; Score 18.4; DB 67; Best Local Similarity 95.0%; Pred. No. 1.1e+03; Matches 19; Conservative 0; Mismatches 1;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PUBLICATION INFORMATION:
DATABASE ACCESSION NUMBER: Genbank U00096
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          33 CAGAGCCCAGCTCATGGCGGCCGCAG 8
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US-60-234-049-86453/c
; Sequence 86453, Application US/60234049
; GENERAL INFORMATION:
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; ORGANISM: Aspergillus nidulans
US-09-404-520-39034
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US-09-404-520-37700/c
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LENGTH: 48
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APPLICANT: McIninch, James
APPLICANT: Timberlake, William E.
APPLICANT: Timberlake,
TITLE OF INVENTION: Emericalla nidulans Genome Sequence and Uses Thereof
TITLE OF INVENTION: Emericalla nidulans Genome Sequence and Uses Thereof
TITLE REFERENCE: 38-10 (15498) A
CURRENT APPLICATION NUMBER: US/09/404,520
CURRENT FILING DATE: 1999-09-23
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                                                                                                                                                                                                                                                                                                                                                            Length 41;
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; Sequence 1064, Application US/60353790
; GENERAL INFORMATION:
; APPLICANT: Bristol-Myers Squibb Company
; TILE OF INVENTION: HUMAN SINGLE NUCLEOTIDE POLYMORPHISMS; FILE REPERBYCE: D0355 PSP
; CURRENT FILLING DATE: 2002-01-31
; CURRENT FILLING DATE: 2002-01-31
; NUMBER OF SEQ ID NOS: 3792
; SOFTWARE: PatentIn version 3.1
; FED IN 0.1064
                                                                                                                                                                                                                                                                                                                                                         Query Match 57.3%; Score 17.2; DB 18; Best Local Similarity 73.3%; Pred. No. 4e+03; Matches 22; Conservative 0; Mismatches 8;
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APPLICANT: Altman, Peter
TITLE OF INVENTION: LEUKOCYTE EXPRESSION PROFILING
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CURRENT APPLICATION NUMBER: PCT/US01/47856
CURRENT FILING DATE: 2001-10-22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 7470, Application PC/TUS0147856 GENERAL INFORMATION:
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                                                                                                                                                                                                                                                             ; TYPE: DNA
; ORGANISM: Aspergillus nidulans
US-09-404-520-37700
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Wohlgemuth, Jay
Quertermous, Thomas
Johnson, Frances
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Woodward, Robert
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Matcuk, George
Prentice, James
                                                                                                                                                                           NUMBER OF SEQ ID NOS: 44345
SEQ ID NO 37700
LENGTH: 41
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: DNA
CORGANISM: Homo sapiens
US-60-353-790-1064
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Fry, Kirk
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June 25, 2003, 13:28:54 ; Search time 21.2789 Seconds (without alignments) 482.732 Million cell updates/sec Published Applications NA:*

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

		Description	Sequence 49, Appl	Seguence 61, Appl	Sequence 226, App	Sequence 1449, Ap	Sequence 34, Appl	Sequence 84, Appl	Sequence 84, Appl	7	Sequence 6, Appli	Sequence 41, Appl	Sequence 21, Appl	۹,	Sequence 10, Appl	Sequence 39, Appl	Sequence 51, Appl	7	~	250,	Sequence 612, App
		ID	US-09-988-462-49	US-09-816-763-61	US-10-033-145-226	US-10-033-145-1449	US-09-249-155-34	US-09-879-813-84	US-10-146-505-84	US-09-770-601-4	US-09-770-601-6	US-10-146-058-41	US-10-146-575-21	US-10-145-289-2	US-09-922-261-10	US-10-146-058-39	US-09-879-813-51	US-10-041-856-79	US-09-780-164-249	US-09-780-164-250	US-09-780-164-612
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		Watch Length DB	10	10	10	10	11	13	13	13	13	14	15	15	15	16	17	17	17	17	17
*	Query	Match	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
		Score	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
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SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/988,462
FILING DATE: 20-00. US20030046726A1-2001
CLASSIFICATION: cUnknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 09/547,422
FILING DATE: 11-APR-2000
APPLICATION NUMBER: US 08/459,504
FILING DATE: 02-UNA-1995
APPLICATION NUMBER: US 07/951,715
FILING DATE: 25-SEP-1992
APPLICATION NUMBER: US 07/772,027

e 613, App e 825, App e 925, App e 1066, App e 7, Appli e 248, App e 250, App e 251, App e 255, App e 255, App e 255, App e 255, App e 255, App e 155, App e 1541, Ap	
Sequence Seq	SEQUENCE HAVING ENHANCED CTIVITY IN MAIZE
US-09-780-164-613 US-09-780-164-815 US-09-780-164-825 US-09-780-164-828 US-09-780-164-1066 US-10-029-677-6 US-10-029-677-7 US-10-060-895A-248 US-10-060-895A-248 US-10-060-895A-255 US-10-060-895A-255 US-10-060-895A-255 US-10-060-895A-255 US-10-060-895A-255 US-10-060-895A-255 US-10-060-895A-255 US-10-060-895A-255 US-10-060-895A-255 US-10-060-895A-255 US-10-060-898-1537 US-10-060-998-1537 US-10-060-998-1537 US-10-060-998-1531 US-10-060-998-1541 US-10-060-998-1541 US-10-060-998-1541 US-10-060-998-1541 US-10-060-998-1541	ALIGNWE 88462 el G. M. M. S. C. Try W. In V. In V. In V. In J. HETIC DNA CTICIDAL A CTICIDAL A GISK MERATIC DNA CTICIDAL A CTICIDAL
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7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.	462-49 e 49, Application tion No. US200300 AL INFORMATION: Desai, Ecwis, Kramer. Warren Warren Grobla, Grobla, TITLE OF INVENTIOI UNWHER OF SEQUENCI CORRESPONDENCE ADI STREET: 3054 CITY: RESEAT STREET: 307709 COUNTRY: USA ZIP: 27709 COUNTRY: USA ZIP: 27709 COUNTRY: USA ZIP: 27709 COMPUTER: IS MEDIUM TYPE: MEDIUM TYPE: MEDIUM TYPE: COMPUTER: IS
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APPLICANT: ROBERTS, BRUCE
APPLICANT: SHANKARA, SRINIVAS
TITLE OF INVENTION: PREPARATION AND USE OF SUPERIOR VACCINES
FILE REFERENCE: GAO201C
CURRENT APPLICATION NUMBER: US/10/033,145
CURRENT FILING DATE: 2001-11-05
TITLE OF INVENTION: PREPARATION AND USE OF SUPERIOR VACCINES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     100.0%; Score 7; DB 12; Length 10; 100.0%; Pred. No. 8e+04; ive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                         100.0%; Score 7; DB 12; Length 10; 100.0%; Pred. No. 8e+04;
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US-09-249-155-34/C

US-09-249-155-34/C

Sequence 34, Application US/09249155

Publication No. US20030037345a1

GENERAL INFORMATION:

TITLE OF INVERTION: Compositions and Methods for Wound

TITLE OF INVERTION: Compositions and Methods for Wound

TITLE OF INVERTION: Healing

FILE REFERENCE: 10486.78503

CURRENT APPLICATION NUMBER: US/09/249,155

CURRENT PILING DATE: 1999-02-12

EARLIER PELING DATE: 1998-02-13

EARLIER PILING DATE: 1998-02-13

EARLIER PILING DATE: 1998-02-13

EARLIER PILING DATE: 1998-08-56

EARLIER PILING DATE: 1998-09-28
                        FILE REFERENCE: GA0201C
CURRENT APPLICATION NUMBER: US/10/033,145
CURRENT FILING DATE: 2001-11-05
PRIOR APPLICATION NUMBER: PCT/US99/13800
PRIOR FILING DATE: 1999-06-18
NUMBER OF SEQ ID NOS: 2137
SOFTWARE: Patentin version 3.0
SEQ ID NO 226
LENGTH: 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SEQ ID NOS: 254
FastSEQ for Windows Version 3.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PRIOR APPLICATION NUMBER: PCT/US99/13800 PRIOR FILING DATE: 1999-06-18 NUMBER OF SEQ ID NOS: 2137 SOFTWARE: Patentin version 3.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 1449, Application US/10033145
Patent No. US2002015151513
GENERAL INFORMATION:
APPLICANT: GENZYME CORPORATION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match 100.
Best Local Similarity 100.
Matches 7; Conservative
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                                                                                                                                                                                                                                                                   TYPE: DNA
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity
Matches 7; Conserv
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APPLICANT: Remard, Patricia
APPLICANT: Remard, Patricia
APPLICANT: Renard, Patricia
APPLICANT: Renard, Patricia
APPLICANT: Renard, Patricia
APPLICANT: Renard, Patricia
APPLICANT: Art, Muriel
TITLE OF INVENTION: METECTION AND/OR THE QUANTIFICATION OF TRANSCRIPTIONAL
TITLE OF INVENTION: PATTORS
FILE REPERENCE: VANN212.001AUS
CURRENT APPLICATION NUMBER: US/09/816,763
CURRENT FILING DATE: 2001-03-23
FRIOR FILING DATE: 2000-03-24
RNDMBER OF SEQ ID NOS: 150
SOFTWARE: FastSEQ for Windows Version 4.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   OTHER INFORMATION: Consensus sequence for transcriptional factor OTHER INFORMATION: ISGF3
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                                                                                                                                                                                                                                                                                                                                           MOLECULE TYPE: other nucleic acid
DESCRIPTION: /desc = "primer C1 - second half"
HYPOTHETICAL: NO SEQUENCE DESCRIPTION: SEQ ID NO: 49:
                                                                                                   REPERENCE/DOCKET NUMBER: S-188051
TELECOMMUNICATION INFORMATION:
TELEPHONE: (919) 541-8587
TELEPHONE: (919) 541-8689
INFORMATION FOR SEQ ID NO: 49:
SEQUENCE CHRACTERISTICS:
LENGTH: 10 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0; Mismatches
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Patent No. US20020110814A1
GENERAL INFORMATION:
                                                               NAME: Meigs, J. Timothy
REGISTRATION NUMBER: 38,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     GENERAL INFORMATION:
APPLICANT: GENETYE GREATION
APPLICANT: ROBERTS, BUCCE
APPLICANT: SHANKARA, SRINIVAS.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: DNA ORGANISM: Artificial Sequence
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Best Local Similarity 100.
Matches 7; Conservative
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Best Local Similarity 100.
Matches 7; Conservative
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LENGTH: 10
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Patent No. US20020104110A1

GENERAL INFORMATION:

APPLICANT: Lipes, Myra A.

APPLICANT: Chen, Qian

TITLE OF INVENTION: UNGEN THEREOF

FILE REFERENCE: 10276-015002

CURRENT PILING DATE: 2001-01-26

PRIOR APPLICATION NUMBER: 09/127,276

PRIOR APPLICATION NUMBER: 09/127,276

PRIOR APPLICATION NUMBER: 09/127,276

PRIOR APPLICATION NUMBER: 09/054,730

PRIOR PILING DATE: 1999-07-30

PRIOR PILING DATE: 1999-08-05

NUMBER OF SEQ ID NOS: 6

SOFTWARE: PSECSEQ for Windows Version 4.0

SEQ ID NO 4

LENGTH: 13
                                                                                                                                                                                                                                                                                  Length 13;
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Patent No. US20020104110A1
GENERAL INFORMATION:
APPLICANT: Libes, Myra A.
APPLICANT: Chen, Qian
TITLE OF INVENTION: IMMUNDLOGICALLY PRIVILEGED CELLS AND
TITLE OF INVENTION: USES THEREOF
FILE REFERENCE: 10276-015002
                                                                                                                                                                                                                OTHER INFORMATION: F220

OTHER INFORMATION: The sequence TGAGCTCTGTG is deleted US-10-146-505-84
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                DB 10; L
7.9e+04;
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                                                                                                                                                                                                                                                                                                                 0; Mismatches
                                                                                                                                                                                                                                                                                  100.0%; Score 7; 100.0%; Pred. No.
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100.0%; Pred. No.
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CURRENT FILING DATE: 2001-01-26
     APPLICATION NUMBER: GB 9901141.3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ; OTHER INFORMATION: primer for PCR US-09-770-601-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ;
0
 PRIOR APPLICATION NUMBER: GB 990 PRIOR FILING DATE: 1999-01-19 PRIOR APPLICATION NUMBER: GB 991 PRIOR FILING DATE: 1999-06-09 NUMBER OF SEQ ID NOS: 127 SOFTWARE: Patentin version 3.1 SEQ ID NO 94
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ORGANISM: Artificial Sequence
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Best Local Similarity 100...
7; Conservative
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Best Local Similarity 100.
                                                                                                                                 TYPE: DNA
ORGANISM: Homo sapiens
                                                                                                                                                                                   NAME/KEY: misc_feature
                                                                                                                                                                                                                                                                                                                                                 1 GCTTCAG 7
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US-09-770-601-6/c
                                                                                                                   LENGTH: 13
                                                                                                                                                                                                    LOCATION:
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Pred. No. 7.9e+04;
                                                                                                  DB 9; Length 11;
8e+04;
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LOCATION: (8)..(8)
OTHER INFORMATION: P220
OTHER INFORMATION: The sequence TGAGCTCTGTG is deleted
                                                                                                                                                                                                                                                                      Sequence 84, Application US/09879813
; Batent No. US20020155453A1
; GENERAL INFORMATION:
APPLICANT: Sale, Julian E.
; APPLICANT: Cumbers, Sarah J.
TITLE OF INVENTION: Method of Generating Diversity
FILE REFERENCE: 18396/2005
; CURRENT APPLICATION NUMBER: US/09/879,813
CURRENT FILING DATE: 2001-06-11
; PRIOR FILING DATE: 2001-06-04
; PRIOR FILING DATE: 2001-06-04
; PRIOR FILING DATE: 1999-10-08
; NUMBER OF SEQ ID NOS: 87
; SQ ID NO 84
; LENGTH: DNA
GRAANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0; Mismatches
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                                                                                                  100.0%; Score 7; 100.0%; Pred. No.
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Best Local Similarity 100.0%;
Matches 7; Conservative 0;
                                                                                                                Best Local Similarity 100.
Matches 7; Conservative
                                TYPE: DNA ORGANISM: Mus musculus
                                                                                                                                                                  1 GCTTCAG 7
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                                                                  US-09-249-155-34
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SEQ ID NO 34
LENGTH: 11
                                                                                                 Query Match
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                                                                                                        Length 14;
                                                                                                                                                   0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TITLE OF INVENTION: ENTIVIRAL VECTORS ENCODING CLOTTING TITLE OF INVENTION: PACTORS FOR GENE THERAPY FILE REFERENCE: 131.20801 CURRENT APPLICATION NUMBER: US/10/145,289 CURRENT FILING DATE: 2002-05-14 PRIOR PELLING DATE: 00/291,083 PRIOR FILING DATE: 2001-05-14 NUMBER OF SEQ ID NOS: 10 SEQ ID NOS: 10 SEQ ID NOS: 12 LENGTH: 15
                                                                                                        Score 7; DB 9; L pred, No. 7.8e+04;
                                                                                                                                                                                                                                                                                                                                           Sequence 21, Application US/10146575
Publication No. US2003005980A1
GENERAL INFORMATION:
APPLICANT: Lichter, Jay
APPLICANT: Lichter, Jay
APPLICANT: Guido, Marco
TITLE OF INVENTION: GENOTYPING OF HUMAN CYP3A4
FILE REFERENCE: SEQ-12P
CURRENT APPLICATION NUMBER: US/10/146,575
CURRENT FILING DATE: 2002-05-14
PRIOR PPLICATION NUMBER: US/09/144,367
PRIOR FILING DATE: 1998-08-31
NUMBER OF SEQ ID NOS: 58
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Publication No. US20030077812A1
GENERAL INFORMATION:
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                      DNA (genomic)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: James G. McArthur
APPLICANT: Dale John Talbot
APPLICANT: Andrew D. Simmons
APPLICANT: Ryan McGuinness
                                                                                                            Ouery Match 100.
Best Local Similarity 100.
Matches 7; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Michael Kelly
Lisa V. Tsui
Thomas Dull
  unknown
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ; TYPE: DNA
; ORGANISM: H. sapiens
US-10-146-575-21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity
Matches 7; Conserv
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                      , MOLECULE TYPE:
, ANTI-SENSE: YE
US-10-146-058-41
                                                                                                                                                                                                                                                                                                                                  US-10-146-575-21/c
  TOPOLOGY:
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US-10-145-289-2
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APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
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                                                                                                                                                                                                                                                                                                             RESULT 11
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APPLICANT: Schlingensiepen, Karl-Hermann
APPLICANT: Schlingensiepen, Raimar
APPLICANT: Schlingensiepen, Reimar
APPLICANT: Bogdahn, Ulrich
TITLE OF INVENTION: Antisense-oligonucleotides for the treatment of
TITLE OF INVENTION: immuno-suppressive effect of transforming-growth-factor beta
CORRESPONDENCE ADDRESS:
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100.0%; Score 7; DB 10; Length 13;
Best Local Similarity 100.0%; Pred. No. 7.9e+04;
Matches 7; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IEM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/146,058
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADDRESSEE: Jacobson, Price, Holman & Stern STREET: 400 Seventh St. N.W. CITY: Washington D.C. COUNTRY: U.S.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NAME: Player, William E.
REGISTRATION NUMBER: 31,409
REFERENCE/DOCKET NUMBER: 10577/P58418
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 538-666
TELEFAX: (202) 393-5350
PRIOR APPLICATION NUMBER: 09/127,276
PRIOR FILING DATE: 1998-07-30
PRIOR APPLICATION NUMBER: 60/054,730
PRIOR FILING DATE: 1997-08-05
NUMBER OF SEQ ID NOS: 6
SOFTWARE: FASTSEQ for Windows Version 4.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 93 107 089.0
FILING DATE: 30-ARR-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 93 107 849.7
FILING DATE: 13-MAY-1993
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/535,249
FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 41, Application US/10146058 Publication No. US20030040499A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                , OTHER INFORMATION: primer for PCR US-09-770-601-6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TELEFAX: (202) 393-2224
TELEX: RCA 248593 IDEA UR
INFORMATION FOR SEQ ID NO: 41:
SEQUENCE CHARACTERISTICS:
LENGTH: 14 base pairs
TYPE: nucleic acid
                                                                                                                                                                                TYPE: DNA ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     IS-10-146-058-41/c
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                                                                                                                                     SEQ ID NO 6
LENGTH: 13
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NAME/KEY: misc feature

LOCATION: (7).7(12)

TOTHER INFORMATION: D3

OTHER INFORMATION: The sequence GACCC between positions 7 and 12 replace the sequenc

US-09-879-813-51
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 51, Application US/09879813

Patent No. US20020155453A1

GENERAL INPORMATION:
APPLICANT: Sale, Julian E.
APPLICANT: Cumberger, Michael S.
TITLE OF INVENTION: Method of Generating Diversity
FILE REFERENCE: 18396/2005
CURENT APPLICATION NUMBER: US/09/879,813
CURENT FILING DATE: 2001-06-01

PRIOR FILING DATE: 2001-06-04

PRIOR FILING DATE: 1999-10-08

NUMBER OF SEQ ID NOS: 87

SOFTWARE: Patentin version 3.1
                                                                                                                                                                                                                                                                                                                                                                                                                                    REFERENCE/DOCKET NUMBER: 31,409
REFERENCE/DOCKET NUMBER: 10577/P58418
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 638-666
TELEPAX: (202) 339.5350
TELEFX: RCA 248593 IDBA UR
INFORMATION FOR SEQ ID NO: 39:
SEQUENCE CHARACTERISTICS:
LENGTH: 16 base pairs
TYPE: nucleic acid
STRANDEDNESS:
                                                                                                                                                                      PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 93 107 089.0
FILING DATE: 30-APR-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 93 107 849.7
FILING DATE: 13-MAY-1993
ATTONNEY, AGENT INFORMATION:
NAME: PLAYER, WILLIAM E.
REGISTRATION NUMBER: 31,409
                                                                            PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/535,249
FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TOPOLOGY: unknown
MOLECULE TYPE: DNA (genomic)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Best Local Similarity 100.
Matches 7; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: nucleic
STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              RESULT 15
US-09-879-813-51/c
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19-10-146-058-39/c

19-10-146-058-3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: Lo, Donald C.
APPLICANT: Lo, Donald C.
APPLICANT: Thomas Mary Beth
APPLICANT: Thomas Mary Beth
APPLICANT: Puranam, Kasturi
APPLICANT: CANFORMING: CONPOSITIONS AND METHODS FOR DIAGNOSING
TITLE OF INVENTION: CANFORMING: DANTH
FILE PEPERRENCE: 10001-005-999
CURRENT PILING DATE: 2001-08-03
FRIOR PILING DATE: 1999-12-14
NUMBER OF SEQ ID NOS: 466
SOFTMARE: FastSEQ for Windows Version 4.0
SEQ ID NO 10
LENGTH: 15
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                                               Length 15;
                                                                                                            Indels
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CITY: Washington D.C.
COUNTRY: U.S.A.
ZIP: 20004
COMPUTER READABLE FORM:
WEDIUM TYPE: Floppy disk.
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
                                       100.0%; Score 7; DB 9; Lo
                                                                                                            0; Mismatches
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APPLICATION NUMBER: US/10/146,058
FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: COGENT NEUROSCIENCE, Inc.
                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 10, Application US/09922261
Patent No. US20020111471A1
GENERAL INFORMATION:
Query Match
Best Local Similarity 100.00
English 7; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-922-261-10
                                                                                                                                                                                                                                               9 GCTTCAG 15
                                                                                                                                                                             1 GCTTCAG 7
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17 GCTTCAG 11

Search completed: June 25, 2003, 22:25:08 Job time: 21.2789 secs

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1 GCTCTAGAATGAACG 15
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US-08-770-565-10
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                                                                                                                                                                                                 US-08-770-565-10
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                                                     June 24, 2003, 22:17:30 ; Search time 22.7689 Seconds (without alignments) 202.036 Million cell updates/sec
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Copyright (c) 1993 - 2003 Compugen Ltd.
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US-08-482-115B-23
US-08-60-678A-23
US-08-710-249-26
US-08-710-249-26
US-08-72-902C-24
US-08-520-550A-19
US-08-99-443-23
US-08-99-443-23
US-09-960-523-23
US-09-050-157A-26
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5-09-375-419-24
5-08-833-377-6
                                                                                                                                                             Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 08-405-496A-16
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US-08-630-172-22
                                                                                                                                               441362 segs, 153338381 residues
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Maximum Match 100%
Listing first 45 summaries
                                       nucleic search, using sw model
                                                                                                                        IDENTITY_NUC
Gapop 10.0 , Gapext 1.0
                                                                                      US-08-770-564A-10
15
1 GCTCTAGAATGAACG 15
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Match Length
                                                                                                                                                                                 seg length: 0
seg length: 50
                                                                                                                                                                                                                                                                                                                                                                                                                    Title:
Perfect score:
                                                                                                                        Scoring table:
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Maximum DB
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Sequence
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APPLICANT: Wu, Fred
APPLICANT: Wu, Fred
APPLICANT: Kealey, James T.
APPLICANT: Fruzan, Rottley
APPLICANT: Weinrich, Scott L.
TITLE OF INVENTION: Methods for Detecting the RNA Component of
TITLE OF INVENTION: Telomerase
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:
ADDRESSEE: TOWNSEND and TOWNSEND and CREW LLP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ö
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/770,565
FILING DATE: 20-DEC-1996
CLASSIFICATION: 435
ATTONNEY/AGENT INFORMATION:
NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
RELEPHONE: 415-576-0200
TELEPRAX: 415-576-0200
TELEPRAX: 415-576-0200
SUPPLEMENT: PASSO ID NO: 10:
SEQUENCE CHARACTERISTICS:
FUNCTION 15 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           STREET: TWO EMBESS:
STREET: Two Embarcadero Center, 8th Floor
CITY: San Francisco
STATE: California
CONTEX: USA
US-09-375-419-22
US-08-395-800A-12
US-08-349-813-2
PCT-US96-05291A-2
US-08-349-006-3
PCT-US94-02107-3
US-09-258-257-3
US-09-258-371-3
US-09-258-371-3
US-09-258-371-4
                                                                                                                                                                                                                                                                                                                                                                ALIGNMENTS
                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 10, Application US/08770565
Patent No. 5846723
GENERAL INFORMATION:
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Best Local Similarity 100.0
Matches 15; Conservative
       TYPE: nucleic acid
STRANDEDNESS: single
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Sequence 23, Application US/08482115B
Patent No. 23,776679
GENERAL INFORMATION:
APPLICANT: Villeponteau, Bryant
APPLICANT: Funk, Walter
APPLICANT: Funk, Walter
APPLICANT: Andrews, William H.
TITLE OF INVENTION: Assays for the RNA Component of Human
TITLE OF INVENTION: Telomerase
NUMBER OF SEQUENCES: 40
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            DB 1; Length 26;
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COMPUTER READBLE FORM:
MEDIUM TYPE: Floppy disk

COMPUTER: ISM PC compatible

COMPUTER: ISM PC compatible

COMPUTER: DatentIn Release #1.0, Version #1.30

SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/482,115B

TTING DATE: ... 435
                                                                                                                                                   SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/330,123A
FILING DATE: 27-0CT-1994
CLASSIFICATION: 435
PRIOR APPLICATION NUMBER: US/08/22,102
APPLICATION NUMBER: US/08/22,102
FILING DATE: 07-JUL-1994
ATTONEY/AGENT INFORMATION:
NAME: Smith, William M
REGISTRATION NUMBER: 30,223
REBERRICE/DOCKET NUMBER: 15389-000810
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLI STREET: Two Embarcadero Center, Eighth Floor CITY: San Francisco STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               100.0%; Score 15; 100.0%; Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICATION 07-JUN-1, CLASSIFICATION 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/272,102
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/330,123
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ö
                                                                                                           COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1 GCTCTAGAATGAACG 15
                                                                                        Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TELEFAX: (415) 326-2422 INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS: LENGTH: 26 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity 100.
Matches 15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: nucleic acid
STRANDEDNESS: single
                                         ZIP: 94301
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RESULT 4
US-08-482-115B-23
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                                                                                                                                                                                                                                                              APPLICANT: Kealey, James T.
APPLICANT: Pruzan, Ronald
APPLICANT: Pruzan, Ronald
APPLICANT: Weinrich, Scott L.
TITLE OF INVENTION: Methods for Detecting the RNA Component of
TITLE OF INVENTION: Telomerase
NUMBER OF SEQUENCES: 26
ADDRESSEE: TOWNSEND and TOWNSEND and CREW LLP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ;;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 23, Application US/08330123A
Patent No. 5583016
GENERAL INFORMATION
FAPLICANT: FUNK, Walter
APPLICANT: FUNK, Walter
APPLICANT: FUNK, Walter
APPLICANT: FUNK, Walter
APPLICANT: HUMAN TELOMERASE
NUMBER OF SEQUENCES: 25
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend Khourie and Crew
STREET: 379 Lytton Avenue
                                                                                                                                                                                                                                                                                                                                                                                                                                          AUDITIONS IN TOWNS END AND TOWNS END AND CREW LDF
CITY: San Francisco
CITY: San Francisco
COUNTRY: USA
COMPUTER: California
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/NS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/770,565
FILING DATE: 20-DEC-1996
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Storella, John R.
REFERENCE/DOCKET NUMBER: 015389-002300US
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Mismatches
                                                                                                                                           Sequence 9, Application US/08770565
Patent No. 5846723
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       1 GCTCTAGAATGAACG 15
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Best Local Similarity 100.
Matches 15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TELEFAX: 15-576-0300
INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS: LENGTH: 19 base pairs
                                                                                                                                                                                                                  Kim, Nam Woo
Wu, Fred
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     .; TOPOLOGY: linear; 
; MOLECULE TYPE: DNA US-08-770-565-9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CITY: Palo Alto
                                                                                                                                                                                               GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        US-08-330-123A-23
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM FC compatible
COMPOTER: IBM FC compatible
COMPOTER: IBM FC compatible
COMPOTER: IBM FC compatible
COMPOTER: IBM FC compatible
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/710,249
FILING DATE: 13-SEP-1996
CLASSIFICATION: 536
PRICR APPLICATION DATA:
APPLICATION NUMBER: US 08/583,808
FILING DATE: 05-JAN-1996
PRICR APPLICATION DATA:
APPLICATION NUMBER: US 08/583,492
FILING DATE: 08-SEP-1995
ATTOMEX/AGENTINFORMATION:
ANAMORE OF THE OB-SEP-1995
ATTOMEX/AGENTINFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                              ISBE: Townsend and Townsend and Crew LLP: Two Embarcadero Center, Eighth Floor Can Francisco California
                                                                               Mismatches
                                         Score 15; D
Pred. No. 8;
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100.0%; Pred. No. (
tive 0; Mismatch
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US-08-485-778-19
; Sequence 19, Application US/08485778
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                                         100.0%;
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INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
                                       Ouery Match 100.
Best Local Similarity 100.
Matches 15; Conservative
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Best Local Similarity 100.
Matches 15; Conservative
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   US-08-660-678A-23
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COUNTRY: USA

ZIP: 94111-3834

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

COMPUTER: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

CURRENT APPLICATION UNUBER: US/08/660,678A

FILING DATE: 05-JUN-1996

FILING DATE: 07-130,123
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  E: Townsend and Townsend and Crew LLP
Two Embarcadero Center, Eighth Floor
                             NAME: SCOREILA, JOHN R.
REGISTRATION NUMBER: 32,944
REPERENCE/DOCKET NUMBER: 015389-000830US
TELEPHONE: (415) 576-0200
TELEPHONE: (415) 576-0300
INFORMATION FOR SEQ ID NO: 23: SEQUENCE CHARACTERISTICS:
LENGTH: 26 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NAME: Storella, John R. REGISTRATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 015389-000811US
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                   0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           GENERAL INFORMATION:
APPLICANT: Villeponteau, Bryant
APPLICANT: Freng, Junil
APPLICANT: Frunk, Walter
APPLICANT: Andrews, William H.
TITLE OF INVENTION: Mammalian Telomerase
NUMBER OF SEQUENCES: 30
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              FILING DATE: 05-UN-1996
CLASSIFICATION: 435
PRIOR APPLICATION 1935
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/330,123
FILING DATE: 27-OCT-1994
PRIOR APPLICATION NUMBER: US 08/272,102
FILING DATE: 07-UL-1994
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 23, Application US/08660678A
Patent No. 5837857
                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity 100.0%;
Matches 15; Conservative 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TELEPHONE: (415) 576-0200
TELEPAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 23: SEQUENCE CHARACTERISTICS:
LENGTH: 26 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                      1 GCTCTAGAATGAACG 15
FILING DATE: 27-OCT-1994
ATTORNEY/AGENT INFORMATION:
NAME: Storella, John R.
                                                                                                                                                                                                        TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      San Francisco
: California
                                                                                                                                                                                                                                                TOPOLOGY: linear MOLECULE TYPE: DNA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US-08-660-678A-23
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Two Militia Drive
                                                                                                                                                                                                                     CURRENT APPLICATION DATA:

CURRENT APPLICATION DATA:

APPLICATION NUMBER:

FILING DATE:

PRIOR APPLICATION NUMBER:

PRIOR APPLICATION NUMBER:

PRIOR APPLICATION NUMBER:

RELING DATE:

O'-JUL-1994

PRIOR APPLICATION NUMBER:

FILING DATE:

APPLICATION NUMBER:

RELING DATE:

APPLICATION NUMBER:

RELING DATE:

APPLICATION NUMBER:

REGISTRATION NUMBER:

NAME:

REGISTRATION NUMBER:

REGISTRATION NUM
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COMPUTER: IBM PC comparible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION NUMBER: US/08/520,550A
FILING DATE: 29-AUG-1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: Villeponteau, Bryant TITLE OF INVENTION: RNA Component of Telomerase NUMBER OF SEQUENCES: 47
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         REFERENCE/DOCKET NUMBER: 15389-000820
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             100.0%; Score 15; 100.0%; Pred. No. 8
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Avilion, Ariel A.
Feng, Junli
Funk, Walter
Greider, Carol
Marhuenda, Maria A. B.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 19, Application US/08520550A Patent No. 6013468 GENERAL INFORMATION:
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                                                                                                                                                                        IBM PC compatible
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INFORMATION FOR SEQ ID NO: 2
SEQUENCE CHARACTERISTICS:
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                                                                       ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy di
COMPUTER: IBM PC compt
OPERATING SYSTEM: PC-I
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        LENGTH: 26 base pairs
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ZIP: 02173
COMPUTER READABLE FORM:
MEDIUM IYPE: Floppy
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Best Local Similarity
Matches 15; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   , MOLECULE TYPE: DNA
US-08-472-802C-24
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RESULT 9
US-08-520-550A-19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      STATE: MA
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APPLICANT:
APPLICANT:
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APPLICANT:
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                                                COUNTRY:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CURPUTE: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOCTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/485,778
FILING DATE: 07-JE-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/387,524
FILING DATE: 13-FEB-1995
RIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/330,123
FILING DATE: 27-OCT-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/330,123
FILING DATE: 27-OCT-1994
PRIOR APPLICATION DATA:
APPLICATION DATA:
APPLICATION DATA:
APPLICATION DATA:
APPLICATION DATA:
APPLICATION DATA:
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                Hamilton, Brook, Smith & Reynolds, P.C.
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                                             APPLICANT: Andrews, William H.
APPLICANT: Avilion, Ariel Athena
APPLICANT: Feng, Junil
APPLICANT: Feng, Junil
APPLICANT: Funk, Walter
APPLICANT: Marhuenda, Maria Antonia Blasco
APPLICANT: Wilbenteau, Bryant
TITLE OF INVENTION: WA COMPONENT OF TELOMERASE
NUMBER OF SEQUENCES: 45
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Mismatches
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Patent No. 595880
GENERAL INFORMATION:
APPLICANT: Villeponteau, Bryant
APPLICANT: Feng, Juni
APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: A
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REFERENCE/DOCKET NUMBER: CSHL94-05A4
TELECHONICATION INFORMATION:
TELEPHONE: 617-861-6240
TELEFAX: 617-861-9540
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                .,
                                                                                                                                                                                                                                                                                                                                                                                             Two Militia Drive
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NAME: Granahan, Patricia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 26 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Conservative
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CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                   CORRESPONDENCE ADDRESS:
ADDRESSEE: Hamilton,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ZIP: 02173
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           linear
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Best Local Similarity
Matches 15; Conserv
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                         GENERAL INFORMATION:
APPLICANT: Andrew
; Patent No. 5876979
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US-08-485-778-19
                                                                                                                                                                                                                                                                                                                                                                                                                                                          STATE: M. COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  RESULT 8
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APPLICANT: Cech, Thomas R.
APPLICANT: Lingner, Joachim
APPLICANT: Lingner, Joachim
APPLICANT: Chapman, Karen B.
APPLICANT: Morin, Gregg B.
APPLICANT: Morin, Gregg B.
APPLICANT: Andrews, William H.
TITLE OF INVENTION: Human Telomerase Catalytic Subunit
NUMBER OF SEQUENCES: 727
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CURRENT APPLICATION DATA:

APPLICATION DATA:
APPLICATION NUMBER: US/08/974,549A
FILING DATE: 19-NOV-1997
CLASSIFICATION NUMBER: US/08/974,549A
FILING DATE: 19-NOV-1997
CLASSIFICATION DATA:
APPLICATION NUMBER: US 08/724,643
FILING DATE: 01-OCT-1996
PRIOR APPLICATION NUMBER: US 08/844,419
FILING DATE: 18-APR-1997
FILING DATE: 18-APR-1997
PRIOR APPLICATION NUMBER: US 08/846,017
PRIOR APPLICATION NUMBER: US 08/851,843
FILING DATE: 25-APR-1997
PRIOR APPLICATION NUMBER: US 08/851,843
FILING DATE: 05-MAY-1997
PRIOR APPLICATION NUMBER: US 08/851,843
FILING DATE: 05-MAY-1997
PRIOR APPLICATION NUMBER: US 08/851,312
FILING DATE: 05-MAY-1997
PRIOR APPLICATION NUMBER: US 08/911,312
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/911,312
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/911,312
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/911,312
PRIOR APPLICATION DATA:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ; Sequence 598, Application US/08974549A; Patent No. 6166178
                                      TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ 1D NO: 23: SEQUENCE CHARACTERISTICS: LENGTH: 26 Dase pairs
TYPE: nucleic acid
STRANDEDNESS; single
                                                                                                                                                                                                                                                                                                                                                                                                                100.08;
          FELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 GCTCTAGAATGAACG 15
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Best Local Similarity 100.
Matches 15; Conservative
                                                                                                                                                                                                                                                                           TOPOLOGY: linear MOLECULE TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-08-974-549A-598
                                                                                                                                                                                                                                                                                                                                                 US-08-998-443-23
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APPLICANT: Villeponteau, Bryant
APPLICANT: Feng, Junii
APPLICANT: Funk, Walter
APPLICANT: Andrews, William H.
TITLE OF INVENTION: Mammalian Telomerase
NUMBER OF SEQUENCES: 30
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Bighth Floor
CITY: San Francisco
STATE: California
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APPLICATION NUMBER: US/08/998,443
                                                    PRIOR APPLICATION DATA:

PRIOR APPLICATION DATA:

PRIOR APPLICATION DATA:

PRIOR APPLICATION DATA:

PRIOR APPLICATION DATA:

PRIOR APPLICATION DATA:

PRIOR APPLICATION DATA:

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/272,102

FILING DATE: 07-UGL-1994

ATTORNEY/AGENT INFORMATION:

NAME: Granahan, Patricia

REGISTRATION NUMBER: 32,227

REFERENCE/DOCKET NUMBER: 32,227

REFERENCE/DOCKET NUMBER: 31,227

REFERENCE/DOCKET NUMBER: 32,227

REFERENCE/DOCKET N
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PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/660,678
FILING DATE: 05-JUN-1996
APPLICATION NUMBER: US 08/330,123
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        FILING DATE: 27-OCT-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/272,102
FILING DATE: 07-UUL-1994
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ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 23, Application US/08998443
Patent No. 6054575
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NAME: Storella, John R. REGISTRATION NUMBER: 32,944
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1 GCTCTAGAATGAACG 15
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ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity 100.0
Matches 15; Conservative
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
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TITLE OF INVENTION: Methods and Reagents for Regulating TITLE OF INVENTION: Methods and relomerase Activity NUMBER OF SEQUENCES: 26 CORRESPONDED ADDRESS: 26 CORRESPONDED ADDRESS: Townsend and Townsend and Crew LLP STREET: Two Embarcadero Center, Eighth Floor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SEE: Townsend and Townsend and Crew LLP: Two Embarcadero Center, Eighth Floor San Francisco
                                                                           015389-000813US
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Mismatches
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100.0%; Score 15; Di
Best Local Similarity 100.0%; Pred. No. 8;
Matches 15; Conservative 0; Mismatches
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PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/710,249
FILING DATE: 13.5EP-1996
APPLICATION NUMBER: US 08/583,808
FILING DATE: 05.JAN-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/003,492
FILING DATE: 08-SEP-1995
ATTORNEY/AGENT INFORMATION:
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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US-09-220-157A-26
; Sequence 26, Application US/09220157A
; Patent No. 6300110
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APPLICANT: Villeponteau, Bryant
APPLICANT: Feng, Junii
APPLICANT: Andrews, William H.
APPLICANT: Adams, Robert R.
                     NAME: Storella, John R.
REGIETRATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 01536
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEPAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 23:
SEQUENCE CHARACTERISTICS:
LENGTH: 26 base pairs
TENER: nucleic acid
STRANDEDNESS: single
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REFERENCE/DOCKET NUMBER: 01.
TELECOMMUNICATION INFORMATION:
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TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 26
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ATTORNEY/AGENT INFORMATION:
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TYPE: nucleic acid
STRANDEDNESS: single
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: USA
                                                                                                                                                                                                                                                                                                         TOPOLOGY: linear MOLECULE TYPE: DNA US-09-060-523-23
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ZIP: 94111-3834

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
COMPUTER: DEACHLIN Release #1.0, Version #1.30

SOFTWARE: Patentin Release #1.0, Version #1.30

CURSIN APPLICATION DATA:
APPLICATION WUMBER: US/09/060,523

FILING DATE: 14-APR-1998

CLASSIFICATION: DATA:
APPLICATION NUMBER: US 08/660,678

FILING DATE: 05-JUN-1996

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/330,123

FILING DATE: 27-OCT-1994

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/330,123

FILING DATE: 07-JUN-1994

PRIOR APPLICATION NUMBER: US 08/272,102
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           STREET: Townsend and Townsend and Crew LLP STREET: Two Embarcadero Center, Eighth Floor CITY: San Francisco CTTY: San Francisco COUNTRY: California COUNTRY: USA
                  FILING DATE: 14-AUG-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: WO PCT/US97/17618
FILING DATE: 01-OCT-1997
PRIOR APPLICATION NUMBER: WO PCT/US97/17685
FILING DATE: 01-OCT-1997
ATTORNEY/AGENT INFORMATION:
NAME: APPLE Randolph Ted
REFRENCEY/DOCKET NUMBER: 36,429
REFRENCEY/DOCKET NUMBER: 015389-002610US
TELEPHONE: (415) 576-0200
TELEPHONE: (415) 576-0200
TELEPHONE: (415) 576-0200
INFORMATION FOR SEQ ID NO: 598:
SEQUENCE CHARACTERISTICS:
LENGTH: 26 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
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APPLICANT: Feng, Junii
APPLICANT: Fenk, Walter
APPLICANT: Andrews, William H.
TITLE OF INVENTION: Mammalian Telomerase
NUMBER OF SEQUENCES: 25
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NAME/KEY: -
LOCATION: 1..26
OTHER INFORMATION: /note= "R3c primer"
APPLICATION NUMBER: US 08/915,503
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Patent No. 6258535
GENERAL INFORMATION:
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                                                         APPLICATION NUMBER: 08/330,123
FILING DATE: «Unknown»
ATTORNEY/AGENT INFORMATION:
NAME: Smith, william M
REGISTRATION NUMBER: 30,23
REPERENCE/DOCKET NUMBER: 15389-000810
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 326-2400
TELEFAX: (415) 326-2422
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TOPOLOGY: linear
MOLECULE TYPE: DNA
SEQUENCE DESCRIPTION: SEQ ID NO: 23:
US-09-580-517-23
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                     PRIOR APPLICATION DATA:
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Best Local Similarity 100.0
Matches 15; Conservative
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FUNK, Walter
ANDREWS, William H.

TITLE OF INVENTIONE HUMAN TELOMERASE
NUMBER OF SEQUENCES: 25
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend Khourie and Crew
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match 100.0%; Score 15; DB 4; Length 26; Best Local Similarity 100.0%; Pred. No. 8; Matches 15; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                             Score 15; DB 4; Length 26;
Pred. No. 8;
                                                                                                                                                                                                                                                                                                           0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 4 Application US/09286959B; Patent No. 6300131
| SEMERAL INFORMATION: APPLICANT: Johns Hopkins University APPLICANT: Johns Hopkins University APPLICANT: Johns Hopkins University APPLICANT: Le, Siyuan TILE OF INVENTON: TELLOMERASE-ASSOCIATED PROTEINS; FILE REFERENCE: 07265/157001
| CURRENT PLING DATE: 1999-04-06 | PRIOR APPLICATION NUMBER: 60/080,783 | PRIOR FILING DATE: 1998-04-06 | PRIOR FILING DATE: 
                                                                                                                                                                                                                                                                                                                 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/580,517
FILING DATE: 25-May-2000
CLASSIFICATION: <Unknown>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gegreence 23, Application US/09580517
Parent No. 6120039
GENERAL INFORMATION:
APPLICANT: VILLEPONTEAU, BEYANT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            STREET: 379 Lytton Avenue CITY: Palo Alto STATE: California COUNTRY: US
                                                                                                                                                                                                  Query Match
Best Local Similarity 100.0%;
Matches 15; Conservative 0
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ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    S GCTCTAGAATGAACG 19
                                                                                                                                                                                                                                                                                                                                                                                                     1 GCTCTAGAATGAACG 15
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          linear
; TOPOLOGY: 11;
; MOLECULE TYPE:
US-09-220-157A-26
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RESULT 14
US-09-286-959B-4
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US-09-580-517-23
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Sequence:

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Run on:

Scoring table:

Word size :

Searched:

Database :

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AZ775318 2M0007B12
BH863752 SALK 0944
BH864990 SALK 0944
BH864990 SALK 0942
BF732142 EST-NGR-1
BG613445 G02641351
CO1062 HUMGS00070
AA445326 vf59h02.r
AZ456311 1M0259M04
AZ45397 1M0222H21
BH624958 1007091C0
AL757115 Arabidops
AZ81238 ZM0078M23
AL771310 Arabidops
AZ81238 ZM0078M23
AL771310 Arabidops
AZ81238 ZM0078M23
AL764483 T. brucei
AZ813830 ZM011JJ4
AN10845 SAG22b5.y
AU108413 AU103413
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19 bp DNA linear GSS 04-OCT-2000
1M0286G13F Mouse 10kb plasmid UUGCIM library Mus musculus genomic
                                                                          BG339578 602437433
BG340055 602438218
BE797241 601587895
AZ812974 2M0080101
AZ786640 2M0030B22
BG563012 602581189
                                                                                                                                                                                                                                                                                                                                                                                BM889496 laa07c10.
AZ478817 lM0299D08
BQ790001 hage005aH
AZ309082 lM0012K15
AZ65092 lM0536E14
T17609 mps v321 Th
      BH812447 SALK 0617
BH849811 SALK 0703
AL493641 T. brucei
AL462526 T. brucei
AU357604 AU257604
AI032592 ow73908.8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalla, Eutheria; Rodentia; Sciurognathi, Muridae, Murinae, Mus. 1 (Dases 1 to 19)
Dunn, D., Aoyagi, A., Barber, M., Beacorn, T., Duval, B., Hamil, C., Malan, M., Longacre, S., Mahmoud, M., Meenen, B., Pedersen, T., Reilly, M., Rose, M., Rose, R., Stokes, R., Tingey, A., von Niederhausern, A. and Wright, D., Weiss, R.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Contact: Robert B. Weiss
University of Utah Genome Center
University of Utah
Nm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC,
84112, USA
                                                                                                                                               AU258962 AU258962
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Mouse whole genome scaffolding with paired end reads from 10kb plasmid inserts Unpublished (2000)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Tel: 801 585 5606
Fax: 801 585 7177
Faxial: ddunnegenetics.utah.edu
Insert Length: 10000 Std Error: 0.00
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AA445326
AZ435311
AZ435311
AZ435397
BH624958
AL757115
AZ812338
AZ812338
AZ81238
AZ7020
BM889496
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AZ659092
                                                                                                            AZ812974
AZ786040
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AU259962
AZ775318
BH863752
BH863753
BH8643753
BH8643753
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BG340055
BE797241
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AZ471573.1 GI:10629698
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Mus musculus
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VERSION
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AUTHORS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      JOURNAL
COMMENT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ACCESSION
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AL487013 T. brucei
AV964763 AV964763
BH791685 SALK 0608
AU259636 AU259636
A1763346 wi55406.x
                                                                        June 23, 2003, 04:47:09; Search time 773.367 Seconds (without alignments) 314.123 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Description
                                                                                                                                                                                                                                                     102860
        GenCore version 5.1.6
(c) 1993 - 2003 Compugen Ltd.
                                                                                                                                                                                                      16154066 segs, 8097743376 residues
                                                                                                                                                                                                                                                 Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SUMMARIES
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TA264G10Q
AV964763
BH791685
AUZ59636
AI763346
                                                                                                                                                                                                                                                                                                               summaries
                                                     nucleic search, using sw model
                                                                                                                                                                    OLIGO_NUC
Gapop_60.0 , Gapext 60.0
                                                                                                                                             GCTCTAGAATGAACG 15
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em_988.vtr:*
em_988.mam:*
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em_gss_pro:*
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15
1 GCTCTAGAATGAAGGA
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em_esthum:*
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em_estrov:*
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gb_est3:*
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                   Copyright
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66.7
66.7
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5

Score

Result No.

222200

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bu/yle85 SALK 060837.45.60.x Arabidopsis thaliana TDNA insertion lines Arabidopsis thaliana genomic clone SALK_060837.45.60.x, DNA sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AV964763 Nori Satoh unpublished cDNA library, young adult Ciona intestinalis cDNA clone ciadl5006 5', mRNA sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Bukaryota, Metazoa, Chordata, Urochordata, Ascidiacea, Enterogona, Phlebobranchia, Cionidae, Ciona.

1 (bases 1 to 34)
Satoh, N., Satou, Y., Kohara, Y. and Shin-i, T.

Expressed genes in Ciona intestinalis
                        clone_lib="Nori Satoh unpublished cDNA library, young
                                                                                                                                                                                                                                                                                                                                                         Gaps
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                                                                                                                                                                                                                                                                                                        66.7%; Score 10; DB 17; Length 29; 100.0%; Pred. No. 3.6e+04;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Email: satoh@ascidian.zool.kyoto-u.ac.jp.
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       /dev stage="young adult"
/note="Vector: pBluescript SK"
5 c 8 g b t
Oxford University Press, 1999).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          /organism="Ciona intestinalis"
/db_xref="taxon:7719"
/clone="ciad15006"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Kyoto University
Sakyo-ku, Kyoto, Kyoto 606-8502, Japan
Tel: 81-75-753-4081
Fax: 81-75-705-1113
                                                                                                                                           brucei"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 /tissue_type="whole animal"
                                                                                                                                                                                                                                                                                                                                                       0; Mismatches
                                                                                                                                        /organism="Trypanosoma
/strain="TREU927"
/db_xref="taxon:5691"
/clone="264910"
                                                                                                                                                                                                                                       11 g
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Contact: Nori Satoh
Department of Zoology
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Ciona intestinalis.
Ciona intestinalis
                                                                                                                                                                                                                                            υ
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                                                                                                                                                                                                                                                                                                                                                         10; Conservative
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Best Local Similarity
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Best Local Similarity
Matches 10; Conserv
  Barrell,
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BH791685
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DEFINITION
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SOURCE
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                                                                                                                         source
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TITLE
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COMMENT
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                                                                                                                                                                                                                                                           /stone libermouse loss prasming observations.
/sax="Maile"
/lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
/note="Vector: PWD4Znv; Purified genomic DNA from M.
musculus C57BL/6J (male) was obtained from the Jackson
Laboratory Mouse DNA Resources (documents/dnares). The DNA
was hydrodynamically sheared by repeated passage through a
0.005 inch orifice at constant velocity. The sheared DNA
was hydrodynamically sheared by repeated passage through a
0.005 inch orifica at constant velocity. The sheared DNA
was blunt end repaired with T4 DNA polymerase and T4
polynucleotide kinase. Adaptor oligonucleotides were
ligated to the blunt ends in high molar excess. The
adaptored DNA was purified and size-selected for a 9.5 to
10.5 Kb range using preparative agarose gel
electrophoresis. Vector DNA was prepared from a derivative
of pWD42 (gi|4732114|gb|AF129072.1), a copy-number
inducible derivative of plasmid R1. The Vector was ligated
with adaptors complementary to the insert adaptors and
purified. The sheared, adaptored mouse DNA was annealed to
adaptored vector DNA, and transformed into
chemically-competent E. coli XL10-Gold (Stratagene) cells
and selected for ampicillin resistance."
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           GSS 13-DEC-2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Constructed at the Institute for Genomic Research (TIGR),
Rockville, MD. Genomic DNA isolated from a cloned population of
Trypanosoma brucei (TREU92/14 GUTHE 10.1) was mechanically sheared
to give a tight size distribution (
4 kb). The v + i method used for the library construction is
described in detail in Smith, H. and Venter. J.C. (Making small
insert libraries for whole genome shotgun sequencing projects. In
Genome Sequencing: A Practical Approach, eds. M. Vaudin and B.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Submitted (10-DEC-2000) Trypanosoma brucei genome sequencing project, Sanger Centre, The Wellcome Trust Genome Campus, Hinxton, Cambridge CB10 15A, E-mail: barrell@sanger.ac.uk and nhl@sanger.ac.uk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TA264G10Q 29 bp DNA linear GSS 13-DE
T. brucei sheared genomic DNA clone 264g10, reverse sequence,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Trypanosoma.
1 (bases 1 to 29)
Hall, N., Bowman, S., Lennard, N.J., Doggett, J., Atkin, R.,
Chillingworth, C., Ormond, D., Harris, B., El-Sayed, N., Hou, L.,
Melville, S. E., Rajandream, M.A. and Barrell, B.G.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Trypanosoma brucei.
Trypanosoma brucei
Eukaryota; Euglenozoa; Kinetoplastida; Trypanosomatidae;
                                                                                                                                                                                             db_xref="taxon:10090"
/clone="UUGC1M0286G13"
/clone_lib="Mouse 10kb plasmid UUGC1M library"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 10; DB 17; Length 19;
Pred. No. 3.3e+04;
0; Mismatches 0; Indels
    Plate: 0286 row: G column: 13
Seg primer: CGTTGTAAAACGACGGCCAGT
Class: plasmid ends
High quality sequence stop: 19.

    .19
    organism="Mus musculus"

                                                                                                   Location/Qualifiers
                                                                                                                                                                              /strain="C57BL/6J
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    genomic survey sequence.
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AL487013.1 GI:11850630
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100.0%;
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Best Local Similarity 100.
Matches 10; Conservative
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AUTHORS
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JOURNAL
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                                                                                                        FEATURES
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8 g

Gaps

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/note="Organ: colon, Vector: pT7T3D-Pac (Pharmacia) with a modified polylinker; Site 1: Not 1; Site 2: Eco RI; Plasmid DNA from the normalized library NCI CGAP Col0 was prepared, and se circles were made in vitro. Following HAP purification, this DNA was used as tracer in a subtractive hybridization reaction. The driver was PCR-amplified cDNAs from a pool of 5,000 clones made from the same library (cloneIDs 1057416-106125, and 1144584-1145351).
Subtraction by Bento Soares and M. Fatima Bonaldo. "
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AI763346 25 Dp mRNA linear EST 21-DEC-1999 wi55d06.x1 NCI CGAP Co16 Homo sapiens cDNA clone IMAGE:2394155 3' similar to TR:075053 075053 KIAA0465 PROTEIN ;, mRNA sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         cDNA Library Preparation: M. Bento Soares, Ph.D. CDNA Library Arrayed by: Greg Lennon, Ph.D. DNA Sequencing by: Washington University Genome Sequencing Center Clone distribution: NCI-CGAP clone distribution information can be found through the I.M.A.G.E. Consortium/LLNL at:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Email: cgapbs-r@mail.nih.gov
Tissue Procurement: Ilan Kirsch, M.D., Michael R. Emmert-Buck, M.D.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
1 (bases 1 to 25)
NCI-CGAP http://www.ncbi.nlm.nih.gov/ncicgap.
National Cancer Institute, Cancer Genome Anatomy Project (CGAP),
                                                           1. .22

/organism="Mus musculus"

/db xref="teaxon:10090"

/clone="BED0015510"

/clone=lib="3'-directed mouse cDNA library"

/tissue_type="brain"

/note="Vector: pGEM-T-easy"

a 3 c 4 g 2 t
                                                                                                                                                                                                                                                                                                                                                          0; Indels
                                                                                                                                                                                                                                                                                                         Length 22;
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       URL:http://love2.aist-nara.ac.jp/BED/index.html.
Location/Qualifiers
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/clone="IMAGE:2394155"
/clone lib="NCI CGAP_Col6"
/tissue type="colon tumor, RER+"
/lab_hogt="DH108"
                                                                                                                                                                                                                                                                                                    60.0%; Score 9; DB 9; Ler
100.0%; Pred. No. 1.3e+05;
Live 0; Mismatches 0;
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Insert Length: 1675 Std Error: 0.00
Seg primer: -40UP from Gibco
High quality sequence stop: 1.
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Unpublished (1997)
Contact: Robert Strausberg, Ph.D.
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AI763346.1 GI:5179013
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Bukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;

Bukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;

Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots;

Rosidae; eurosida II; Brassicales; Brassicacea, Arabidopsis.

1 (bases 1 to 49)

Alono,J.M.; Leisse,T.J.; Barajas,P.; Chen,H.; Cheuk,R.; Gadrinab,C.; Jeske,A.; Karnes,M.; Kim,C.J.; Parker,H.; Prednis,L.; Shinn,P.; A Sequence-Indexed Library of Insertion Mutations in the Arabidopsis Genome

Unpublished (2001)

Londort Joseph R. Ecker
Salk Institute Genomic Analysis Laboratory (SIGNAL)

The Salk Institute for Biological Studies
10010 N. Tortey Pines Road, La Jolla, CA 92037, USA

Tel: 858 453 4100 x1752
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Kato, K. and Matoba, R. Generation of expressed sequence tags from mouse brain Unpublished (2002)
Contact: Kikuya Kato
Graduate School of Biological Sciences Nara Institute of Science and Technology
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/clone="SALK 060837.45.60.x"
/clone="SALK 060837.45.60.x"
/clone=lib="Arabidopsis thaliana TDNA insertion lines"
/note="PCR was performed on Arabidopsis thaliana lines each of which contains one or more TDNA insertion elements. The resultant fragment for each line was directly sequenced to determine the genomic sequence at the site of insertion. Details of the protocols used car be found at http://signal.salk.edu/tdna_protocols.html"
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    .49
    /organism="Arabidopsis thaliana"

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Class: TDNA tagged.
Location/Qualifiers
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BH791685.1 GI:19885809
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Email: ecker@salk.edu
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Fax: 81-743-72-5589
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The Salk Institute for Biological Studies
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Exto, K. and Matoba.R.
Generation of expressed sequence tags from mouse brain Unpublished (2002)

A. Contact: Kikuya Kato Graduate School of Biological Sciences
Nara Institute of Science and Technology 8916-5 Takayama, Ikoma, Nara 630-0101, Japan

Tel: 81.743-72-5581

Fax: 81-743-72-5589

Email: kkato®bs.aist-nara.ac.jp,
URL:http://love2.aist-nara.ac.jp/BED/index.html.
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SALK 061781 Arabidopsis thaliana TDNA insertion lines Arabidopsis
thaliana genomic clone SALK_061781, DNA sequence.
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AU254302 3'-directed mouse cDNA library Mus musculus cDNA clone
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Salk Institute Genomic Analysis Laboratory (SIGnAL)
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Unpublished (2001)
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     9; Conservative
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/organism="Arabidopsis thaliana"
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/db.txcf="Columbia 0"
/db.txcf="Columbia 0"
/clone="SALK 06178"
/clone="Rabix 06178"
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/clone="Rabix of 178"
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Alonso,J.M., Leisse,T.J., Barajas,P., Chen,H., Cheuk,R., Gadrinab
Alonso,J.M., Leisse,T.J., Kim,C.J., Parker,H., Prednis,L., Shinn,P.,
Zimmerman,J. and Bcker,J.R.
A Sequence-Indexed Library of Insertion Mutations in the
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Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots;
Rosidae; eurosids II; Brassicales; Brassicaceae; Arabidopsis.
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/db_xref="taxon:3702"
/clone="SALK 070310.38.90.x"
/clone lib="Alalopsis thaliana TDNA insertion lines"
/note="PCR was performed on Arabidopsis thaliana lines each of which contains one or more TDNA insertion
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Unpublished (2001)
Contact: Joseph R. Ecker
The Salk Institute Genomic Analysis Laboratory (SIGnAL)
The Salk Institute for Biological Studies
10010 N. Torrey Pines Road, La Jolla, CA 92037, USA
Tel: 858 453 4100 x1752
                USA
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10010 N. Torrey Pines Road, La Jolla, CA 92037,
Tel: 858 453 4100 x1752
Fax: 858 558 6379
Email: ecker@salk.edu
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us-08-770-564a-10.oligo.rst

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AL462526.1 GI:11832364
GSS.
                                           Trypanosoma brucei.
                                                                                                                (bases 1 to 28)
                                                                                                                                                                                                                                                              nh1@sanger.ac.uk
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                                                                                               rypanosoma.
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Chillingworth, C., Ormond, D., Harris, B., El-Sayed, N., Hou, L.,
Melville, S.E., Rajandream, M.A. and Barrell, B.G.
Direct Submission
Submitted (10-DEC-2000) Trypanosoma brucei genome sequencing
project. Sanger Centre, The Wellcome Trust Genome Campus, Hinxton,
Cambridge CB10 ISA, E-mail: barrell@sanger.ac.uk and
nh@sanger.ac.uk
Constructed at the Institute for Genomic Research (TIGR),
Rockville, MD. Genomic DNA isolated from a cloned population of
Trypanosoma brucei (TREU927/4 GUTAt 10.1) was mechanically sheared
to give a tight size distribution (
4 kb). The v + i method used for the library construction is
described in detail in Smith, H and venter, JC. (Making small
insert libraries for whole genome shotgun sequencing projects. In
Genome Sequencing: A Practical Approach, eds. M. Vaudin and B.
Barrell, Oxford University Press, 1999).
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T. brucei sheared genomic DNA clone 116e03, forward sequence,
AL462526
                                                                                                                                                                                                                                                                                                                                TA349B02P 27 bp DNA linear GSS 13-DEC-2000 T. bruce1 sheared genomic DNA clone 349b02, forward sequence,
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       elements. The resultant fragment for each line was directly sequence to determine the genomic sequence at the site of insertion. Details of the protocols used can be found at http://signal.salk.edu/tdna_protocols.html"
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Details of T. brucei sequencing at the Sanger Centre are available
at http://www.sanger.ac.uk/Projects/T_brucei/.
Location/Qualifiers
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Eukaryota, Euglenozoa, Kinetoplastida, Trypanosomatidae,
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100.0%; Pred. No. 1.4e+05;
ive 0; Mismatches 0; Indels
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No. 1.46+05;
0;
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/strain="TREU927"
/db_xref="taxon:5691"
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100.0%; Pred. No. 1.4
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Best Local Similarity 100.
Matches 9; Conservative
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AU257604 3'-directed mouse cDNA library Mus musculus cDNA clone BED0011024 3', mRNA sequence.
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Rockville, MD. Genomic DNA isolated from a cloned population of
Trypanosoma brucei (TREU927/4 GUTAL 10.1) was mechanically sheared
to give a tight size distribution (
4 kb). The v + i method used for the library construction is
described in detail in Smith, H. and Veneer, J.C. (Making small
insert libraries for whole genome shotgun sequencing projects. In
Genome Sequencing: A Practical Approach, eds. M. Vaudin and B.
Barrell, Oxford University Press, 1999).
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Details of T. brucei sorg
at http://www.sanger.ac.uk/Projects/T_brucei/.
Location/Qualifiers
                                                                                                                                                                                                                  Direct Submission
Submitted (10-DEC-2000) Trypanosoma brucei genome sequencing
project, Sanger Centre, The Wellcome Trust Genome Campus, Hinxton,
Cambridge CB10 1SA, E-mail: barrell@sanger.ac.uk and
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Kato, K. and Matoba, R. Generation of expressed sequence tags from mouse brain Unpublished (2002)
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                                                                                                                 Hall, N., Bowman, S., Lennard, N.J., Doggett, J., Atkin, R., Chillingworth, C., Ormond, D., Harris, B., El-Sayed, N., Hou, L., Melville, S.E., Rajandream, M.A. and Barrell, B.G.
Trypanosoma brucei
Eukaryota; Buglenozoa; Kinetoplastida; Trypanosomatidae;
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Location/Qualifiers
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Graduate School of Biological Sciences
Nara Institute of Science and Technology
8916-5 Takayama, Ikoma, Nara 630-0101, Japan
Tel: 81-743-72-5581
Eax: 81-743-72-5589
Email: kkato@bs.aigr.nara.ac.jp,
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/strain="TREU927"
/db_xref="taxon:5691"
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ilarity 100.0%; Pred. No. 1.4
Conservative 0; Mismatches
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BASE COUNT ORIGIN

AI032592/c LOCUS

RESULT 13

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ACCESSION VERSION KEYWORDS SOURCE

ORGANISM

REFERENCE AUTHORS

TITLE

JOURNAL

COMMENT

FEATURES

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/tissue type="leionyosarcoma cell line"
/lab_host="DH10B (phage-resistant)"
/note="DG2"
/note="DG3"
/n
                                                                   BG339578 34 bp mRNA linear EST:27-FEB-2001
602437433F1 NIH_MGC_46 Homo sapiens CDNA clone IMAGE:4555280 5',
                                                                                                                                                                                                                                                                                                                                                                                                                                                    Contact: Robert Strausberg, Ph.D.
Email: cgapbs-r@mail.nih.gov
Tissue Procurement: ATC
CDNA Library Preparation: Ling Hong/Rubin Laboratory
CDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
DNA Sequencing by: Incyte Genomics, Inc.
Clone distribution: MGC clone distribution information can be found through the I.M.A.G.E. Consortium/LLNL at:
http://inage.llnl.gov
Plate: LLCM1256 row: a column: 09
High quality sequence stop: 34.
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
1 (bases 1 to 34)
NIH-MGC http://mgc.nci.nih.gov/.
NIH-MGC http://mgc.nci.nih.gov/.
Unpublished (1999)
Contact: Robert Strausberg, Ph.D.
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602438218F1 NIH_MGC_46 Homo sapiens cDNA clone IMAGE:4556092 5',
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1. (Dases 1 to 34)

NIH-MGC http://mgc.ncl.nih.gov/.
National institutes of Health, Mammalian Gene Collection (MGC)
(Unpublished (1999)
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|clone="IMAGE:4555280"
|clone_lib="NIH_MGC_46"
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100.0%; Pre
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AUTHORS
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                 RESULT 14
                                           BG339578
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ö
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
1 (bases 1 to 31)
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National Cancer-Institute, Cancer Genome Anatomy Project (CGAP),
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Contact: Robert Strausberg, Ph.D.
Email: cgapbs-r@mail.nih.gov
This Clone is available royalty-free through LLNL ; contact the
IMAGE Consortium (inft@eimage.llnl.gov) for further information.
Trace considered overall poor quality
Seq primer: -40ml3 fwd. ET from Amersham
High quality sequence stop: 1.
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
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/organism="Homo sapiens"
/db xref="taxon.9606"
/clore="IMAGE:1652510"
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/clone="BED0011024"
/clone lib="3'-directed mouse cDNA library"
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/note="Vector: pGBM-T-easy"
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                                                                                                                                                                                                                  Length 30;
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Pred. No. 1.4e+05;
0; Mismatches 0;
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Unpublished (1997)
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Best Local Similarity
Matches 9; Conserv
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Matches 9; Conserv
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Gaps ;

EST 27-FEB-2001

BASE COUNT

ORIGIN

g 8

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Email: cgapbs-remail.nih.gov
Tissue Procurement: ATCC
CDNA Library Preparation: Ling Hong/Rubin Laboratory
CDNA Library Preparation: Ling Hong/Rubin Laboratory
CDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
DNA Sequencing by: Incyte Genomics, Inc.
Clone distribution: MGC clone distribution information can be
found through the I.M.A.G.E. Consortium/LLNL at:
http://image.llnl.gov
Plate: LLCM1258 row: c column: 05
High quality sequence stop: 34.
Location/Qualifiers
1. 34
Location/Qualifiers
1. 34
Location/Qualifiers
1. 34
AndE: Laxon:9506"
/clone="InAGE:4556092"
/clone="InAGE:455609
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Search completed: June 23, 2003, 10:10:27 Job time: 774.52 secs

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SEQ ID NO 539
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Sequence 952738,
Sequence 13722, A
Sequence 222991,
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Appli
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Sequence 543, App
Sequence 538, App
                                                                                                         June 23, 2003, 05:45:21; Search time 658.446 Seconds (without alignments) 158.668 Million cell updates/sec
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Sequence 5, App
Sequence 36216,
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Sequence 598, 7
Sequence 598, 7
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9: /cgn2_6/ptodata/1/pna/USOB_NEW_COMB.seq2:*

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GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.
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PCT-US03-04088-543
PCT-US03-04088-547
PCT-US03-04088-555
PCT-US03-04088-555
PCT-US03-04088-521
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US-10-325-810-543
PCT-US03-04088-538
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Gapop 60.0 , Gapext 60.0
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Match Length
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ALIGNMENTS

PCT-US03-04088-539/C
SEGURAL INPORMATION:
Sequence 539, Application PC/TUS0304088
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaccuticals, Inc.
APPLICANT: Bispalman, Leonid
TITLE OF INVARIATION: RAN Interference Mediated Inhibition of Telomerase Gene
TITLE OF INVARIATION: RAN Interference Mediated Inhibition of Telomerase Gene
TITLE OF INVARIATION: RAN INTERFERENCE:
TITLE OF INVARIATION: RAN INTERFERENCE: 02-03-04-28
CURRENT PELLICA DATE: 2003-04-28
PRIOR PELLING DATE: 2003-07-17
PRIOR PELLING DATE: 2002-07-17
PRIOR PELLING DATE: 2002-03-04-28
PRIOR PELLING DATE: 2002-03-04
PRIOR PELLING DATE: 2002-06-09
PRIOR PELLING DATE: 2002-06-09
PRIOR PELLING DATE: 2002-09-09
PRIOR PERLING DATE: 2002-09-09
PRIOR P

100.0%; Score 15; DB 1; Length 21;

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APPLICANT: McSwiggen, James
APPLICANT: Beigelman, Leonid
IITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase Gene
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               OTHER INFORMATION: Description of Artificial Sequence: siNA sense region
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; OTHER INFORMATION: 3'-3 attached terminal deoxyabasic moeity
PCT-US03-04088-547
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ON: (1)..(1)
INFORMATION: 5'-3 attached terminal deoxyabasic moeity
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                                                                                 PRIOR FILING DATE: 2002-03-11
PRIOR APPLICATION NUMBER: US 60/386,782
PRIOR FILING DATE: 2002-06-06
PRIOR APPLICATION NUMBER: US 60/406,784
PRIOR FILING DATE: 2002-08-29
PRIOR FILING DATE: 2002-09-05
PRIOR FILING DATE: 2002-09-05
PRIOR FILING DATE: 2002-09-09
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                                                                  PLICATION NUMBER: US 60/363,124
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   FEATURE:
NAME/KEY: misc_feature
LOCATION: (7)...(9)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NAME/KEY: misc_feature
LOCATION: (1)._(2)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
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THER INFORMATION: 2'-deoxy-2'-fluoro
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THER INFORMATION: 2'-deoxy-2'-fluoro
                                                                                                                                                                                                                                                                                                                                                               NUMBER OF SEQ ID NOS: 626
SOFTWARE: PatentIn version 3.2
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Best Local Similarity
Matches 15; Conserv
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APPLICANT: Beigelman, Leonid
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase Gene
TITLE OF INVENTION: Expression Using Short Interfering RNA (sinA)
FILE REPERENCE: 02-708-A (400/080)
CURRENT APPLICATION NUMBER: PCT/US03/04088
CURRENT FILING DATE: 2003-04-28
PRIOR APPLICATION NUMBER: US 60/396,600
PRIOR FILING DATE: 2002-07-17
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                                                                                                                                                                                                                                               Sequence 543, Application PC/TUS0304088
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: McSwiggen, James
APPLICANT: Beigelman, Leonid
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase Gene
TITLE OF INVENTION: Expression Using Short Interfering RNA (SINA)
FILE REFERENCE: 02-708-A (400/080)
CURRENT FILING DATE: 2003-04-28
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                         Pred. No. 36; Mismatches
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80.0%; Pred. No. 36;
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COTHER INFORMATION: n stands for thymidine PCT-US03-04088-543
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PRIOR APPLICATION NUMBER: US 60/358,580
PRIOR FILING DATE: 2002-02-20
PRIOR PILING DATE: 2002-03-11
PRIOR PILING DATE: 2002-03-11
PRIOR PILING DATE: 2002-06-06
PRIOR PILING DATE: 2002-06-06
PRIOR FILING DATE: 2002-06-09
PRIOR FILING DATE: 2002-08-29
PRIOR FILING DATE: 2002-09-05
PRIOR PILING DATE: 2002-09-05
PRIOR PILING DATE: 2002-09-05
PRIOR PILING DATE: 2002-09-05
PRIOR PILING DATE: 2002-09-05
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APPLICANT: Ribozyme Pharmaceuticals, Inc.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PRIOR APPLICATION NUMBER: US 60/396,600 PRIOR FILING DATE: 2002-07-17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PRIOR APPLICATION NUMBER: US 60/440,129
10.08; ±1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PRIOR FILING DATE: 2003-01-15
NUMBER OF SEQ ID NOS: 626
SOFTWARE: PatentIn version 3.2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 GCTCTAGAATGAACG 15
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1 GCUCUAGAAUGAACG 15
                                                                                                1 GCTCTAGAATGAACG 15
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                         Best Local Similarity 100.
Matches 15; Conservative
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Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ORGANISM: Artificial
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PCT-US03-04088-547/c
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Gaps

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02-708-A (400/080)
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NAME/KEY: misc_feature
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: RNA
ORGANISM: Artificial
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  OTHER INFORMATION: Description of Artificial Sequence: Target sequence/sinA OTHER INFORMATION: antisense region
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ö
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Sequence 555, Application PC/TUS0304088
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Beigelman, Leonid
APPLICANT: Beigelman, Leonid
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase Gene
TITLE OF INVENTION: Expression Using Short Interfering RNA (sina)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
Expression Using Short Interfering RNA (siNA)
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: LOCATION: (20)

: OTHER INFORMATION: Phosphorothioate 3'-Internucleotide Linkage

PCT-US03-04088-551
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Pred. No. 36;
3; Mismatches 0; Indels
                                                                                                      PRIOR FILING DATE: 2002-01-07
PRIOR FILING DATE: 2002-07-17
PRIOR FILING DATE: 2002-07-17
PRIOR FILING DATE: 2002-07-17
PRIOR APPLICATION NUMBER: US 60/358,580
PRIOR PRIDR DATE: 2002-02-01
PRIOR PRIDR DATE: 2002-03-11
PRIOR PRIDR DATE: 2002-06-06
PRIOR PRILING DATE: 2002-06-06
PRIOR PRILING DATE: 2002-06-06
PRIOR PRILING DATE: 2002-09-05
PRIOR PRILING DATE: 2003-09-05
PRIOR SEQ ID NOS: 626
SSQ ID NO 551
PRIOR PRILING DATE: 2003-01-15
                         CURRENT APPLICATION NUMBER: PCT/US03/04088
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OTHER INFORMATION: n stands for thymidine
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NAME/KEY: misc_feature
LOCATION: (10)...(10)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
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THER INFORMATION: 2'-deoxy-2'-fluoro
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LOCATION: (17) ... (17)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
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THER INFORMATION: 2'-deoxy-2'-fluoro
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Best Local Similarity 80.0%;
Matches 12; Conservative 3
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NAME/KEY: misc_feature
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OTHER INFORMATION: Description of Artificial Sequence: Target sequence/sinA sense OTHER INFORMATION: region
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OTHER INFORMATION: 5'-3 attached terminal deoxyabasic moeity
CURRENT APPLICATION NUMBER: PCT/USO3/04088
CURRENT FILING DATE: 2003-04-28
PRIOR APPLICATION NUMBER: US 60/396,600
PRIOR PILING DATE: 2002-07-17
PRIOR FILING DATE: 2002-02-20
PRIOR PELING DATE: 2002-02-30
PRIOR PELING DATE: 2002-03-31
PRIOR FILING DATE: 2002-03-31
PRIOR FILING DATE: 2002-06-06
PRIOR FILING DATE: 2002-06-06
PRIOR PELING DATE: 2002-06-06
PRIOR PILING DATE: 2002-09-05
PRIOR PILING DATE: 2002-09-05
PRIOR FILING DATE: 2002-09-05
PRIOR FILING DATE: 2002-09-05
PRIOR PILING DATE: 2002-09-05
PRIOR PILING DATE: 2002-09-09
PRIOR APPLICATION NUMBER: US 60/440, 129
PRIOR APPLICATION NUMBER: US 60/440, 129
PRIOR PILING DATE: 2002-09-09
PRIOR PILING DATE: 2003-01-15
NUMBER OF SEQ ID NOS: 626
SOFTWARE: PACENTIN VERSION 3.2
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OTHER INFORMATION: n stands for thymidine FEATURE:
           CATION NUMBER: PCT/US03/04088
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NAME/KEY: misc feature
LOCATION: (4). (5)
THER INFORMATION: 2'-deoxy-2'-fluoro
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LOCATION: (7)._(9)
JTHER INFORMATION: 2'-deoxy-2'-fluoro
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OCATION: (11)_.(14)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
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OTHER INFORMATION: 2'-deoxy-2'-fluoro
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THER INFORMATION: 2'-deoxy-2'-fluoro
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NAME/KEY: misc_feature
COCATION: (3)...(3)
THER INFORMATION: 2'-deoxy
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NAME/KEY: misc_feature
LOCATION: (6)._(6)
OTHER INFORMATION: 2'-deoxy
FEATURE:
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COCATION: (10)...(10)
THER INFORMATION: 2'-deoxy
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LOCATION: (15)..(18)
OTHER INFORMATION: 2'-deoxy
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100.0%; Score 15; DB 1; Length 23;
LOCATION: (14)..(14)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
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Best Local Similarity 80.0%;
Matches 12; Conservative 3
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                                                                       NAME/KEY: misc feature
LOCATION: (15)...(16)
OTHER INFORMATION: 2'-deoxy
                                                                                                                                                                                                                                                                   NAME/KEY: misc feature
LOCATION: (18)...(19)
OTHER INFORMATION: 2'-deoxy
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ORGANISM: Artificial
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                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Roswiggen, James
APPLICANT: Beigelman, Leonid
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase Gene
TITLE OF INVENTION: Expression Using Short Interfering RNA (siNA)
FILE REFERENCE: 02-708-A (400/080)
CURRENT APPLICATION NUMBER: PCT/US03/04088
                                                                                                                                                                               Gaps
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       ; NAME/KEY: misc_feature
; LOCATION: (21)...(21)
; OTHER INFORMATION: 3'-3 attached terminal deoxyabasic moeity
PCT-US03-04088-555
                                                                                                                          Length 21;
                                                                                                                                                                            Indels
                                                                                                                                                                               0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CURRENT FILING DATE: 2003-04-28
PRIOR APPLICATION NUMBER: US 60/396,600
PRIOR PILING DATE: 2003-04-28
PRIOR FILING DATE: 2002-0-17
PRIOR PELING DATE: 2002-02-0
PRIOR PELING DATE: 2002-03-11
PRIOR PLING DATE: 2002-03-11
PRIOR PLING DATE: 2002-03-11
PRIOR FILING DATE: 2002-03-11
PRIOR FILING DATE: 2002-06-06
PRIOR PLING DATE: 2002-06-06
PRIOR PLING DATE: 2002-06-09
PRIOR PLING DATE: 2002-09-05
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PRIOR APPLICATION NUMBER: US 60/440,129
PRIOR FILING DATE: 2003-01-15
NUMBER OF SEQ ID NOS: 626
SOFTWARE: PatentIn version 3.2
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OTHER INFORMATION: 2'-deoxy-2'-fluoro
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LOCATION: (10) ...(10)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                             Sequence 559, Application PC/TUS0304088 GENERAL INFORMATION:
                                                                                                                          Query Match
Best Local Similarity 100.0%;
Matches 15; Conservative 0
                                                                                                                                                                                                                          1 GCTCTAGAATGAACG 15
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OTHER INFORMATION: 2'-deoxy
FEATURE:
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OTHER INFORMATION: 2'-deoxy
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NAME/KEY: misc_feature
LOCATION: (6)...(9)
OTHER INFORMATION: 2'-deoxy
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LOCATION: (1)...(1)
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; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Target sequence/sinA sense
; OTHER INFORMATION: region
PCT-US03-04088-520
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APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: McSwiggen, James
APPLICANT: Beigelman, Leonid
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase Gene
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase Gene
TITLE OF INVENTION: Expression Using Short Interfering RNA (siNA)
FILE REFERENCE: 02-708-A (400/080)
CURRENT APPLICATION NUMBER: VS 60/396,600
PRIOR APPLICATION NUMBER: US 60/359,580
PRIOR PLING DATE: 2002-00-17
PRIOR PLING DATE: 2002-00-17
PRIOR PLING DATE: 2002-03-11
PRIOR FILING DATE: 2002-06-06
PRIOR FILING DATE: 2002-06-06
PRIOR FILING DATE: 2002-06-06
PRIOR FILING DATE: 2002-09-05
PRIOR FILING DATE: 2002-09-05
PRIOR FILING DATE: 2002-09-09
PRIOR FILING DATE: 2003-01-15
NUMBER OF SEQ ID NOS: 626
SECOTATION NUMBER: US 60/440,129
PRIOR FILING DATE: 2003-01-15
NUMBER OF SEQ ID NOS: 626
SECOTATION NUMBER: US 60/400, 200
PRIOR FILING DATE: 2003-01-15
NUMBER OF SEQ ID NOS: 626
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LOCATION: (20)...(20)
OTHER INFORMATION: Phosphorothioate 3'-Internucleotide Linkage
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 15; DB 1; Length 21;
Pred. No. 36;
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                                                                                                                                                                                                                                                                                                                                                                                                   ; NAME/KEY: misc_feature
; LOCATION: (20)..(21)
; OTHER INFORMATION: n stands for thymidine
PCT-US03-04088-559
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PCT-US03-04088-520/c
; Sequence 520, Application PC/TUS0304088
; GENERAL INFORMATION:
NAME/KEY: misc feature
LOCATION: (17) ... (17)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
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Gaps
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                                                                        COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: ISM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NAME: Apple, Randolph red
REGISTRATION NUMBER: 36,429
REFERENCE/DOCKET NUMBER: 015389-002610US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         LOCATION: 1..26
OTHER INFORMATION: /note= "R3c primer"
SEQUENCE DESCRIPTION: SEQ ID NO: 598:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICATION NUMBER: WO PCT/US97/17618
FILING DATE: 01-0CT-1997
APPLICATION NUMBER: WO PCT/US97/17885
FILING DATE: 01-0CT-1997
                                                                                                                                                                                                                                                                                                                         APPLICATION NUMBER: US/08/974,549A
FILING DATE: 19-NOV-1997
PELING DATE: US 08/724,643
FILING DATE: OL-OCT-1996
                                                                                                                                                                                                                                                                                                                                                                                                                                                     FILING DATE: 18-APR-1997
PAPLICATION NUMBER: US 08/846,017
FILING DATE: 25-APR-1997
APPLICATION NUMBER: US 08/851,843
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   FILING DATE: 06-MAY-1997
APPLICATION NUMBER: US 08/854,050
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APPLICATION NUMBER: US 08/912,951
FILING DATE: 14-AUG-1997
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FILING DATE: 14-AUG-1997
                                                                                                                                                                                                  CURRENT APPLICATION DATA:
REPLICATION NUMBER: US/09/721,456
FILING DATE: 22-Nov-2000
CLASSIFICATION: «UDKNOWN»
                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICATION NUMBER: US 08/844,419
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Lingner, Joachim
Nakamura, Toru
Chapman, Karen B
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       STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TOPOLOGY: linear MOLECULE TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Conservative
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Matches 15, Conserve
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US-10-325-810-598
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                                                                                                                                                                                                                                                                                                               APPLICANT: NIGOZYME PARAMGENCICALS, INC.
APPLICANT: Beigelman, James
APPLICANT: Beigelman, Leonid
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telo;
TITLE OF INVENTION: RAPESSION USING Short Interfering RNA (SIN)
FILE REFERENCE: 02-708-A (400/080)
CURRENT PRILING DATE: 2003-04-28
PRIOR APPLICATION NUMBER: PCT/USO3/04088
CURRENT FILING DATE: 2002-07-17
PRIOR APPLICATION NUMBER: US 60/396,600
PRIOR FILING DATE: 2002-03-01
PRIOR PILING DATE: 2002-03-11
PRIOR PILING DATE: 2002-03-20
PRIOR PILING DATE: 2002-03-21
PRIOR PELING DATE: 2002-09-05
PRIOR PILING DATE: 2002-09-05
PRIOR PILING DATE: 2002-09-05
PRIOR PILING DATE: 2002-09-05
PRIOR PILING DATE: 2002-09-09
PRIOR PILING DATE: 2003-01-15
NUMBER OF SEQ ID NOS: 626
SOFTWARE PLAND NUMBER: US 60/400,129
PRIOR PILING DATE: 2003-01-15
NUMBER OF SEQ ID NOS: 626
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TITLE OF INVENTION: Human Telomerase Catalytic Subunit
UNMBER OF SEQUENCES: 727
CORRESPONDENCE ADDRESS:
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Pred. No. 36;
                               0; Indels
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       Pred. No. 36;
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Best Local Similarity 100.0%; Pred. No. 36 Matches 15; Conservative 0; Mismatches
                                                                                                                                                                                                                                                   Sequence 521, Application PC/TUS0304088 GENERAL INFORMATION: APPLICANT: Ribozyme Pharmaceuticals, Inc.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US-09-7z1---; Sequence 598, Applications; GENERAL INFORMATION:
; APPLICANT: Cech, Thomas R.; Information Nakamura, Toru Chapman, Karen B.
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Harley, Calvin B.
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Best Local Similarity 100.0
Matches 15; Conservative
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ORGANISM: Artificial
                                                                                                                                                                                                                       PCT-US03-04088-521/c
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Sequence 23, Application US/10359935
GENERAL INFORMATION:
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STATE: California
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SEQUENCE CHARACTERISTICS
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STRANDEDNESS: singl
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Best Local Similarity 100.
Matches 15; Conservative
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       US-10-359-935-23
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ZIP: 94111-3834

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: BATEN: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/325,810
FILING DATE: 20-Dec-2002
CLASSIFLATION DATA:
PRIOR APPLICATION DATA:
Morin, Gregg B.
Harley, Calvin B.
Andrews, William H.
TITLE OF INVENTION: Human Telomerase Catalytic Subunit
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       100.0%; Score 15; DB 9; Length 26; 100.0%; Pred. No. 36;
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LOCATION: 1..26
OTHER INFORMATION: /note= "R3c primer"
SEQUENCE DESCRIPTION: SEQ ID NO: 598:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICATION NUMBER: WO PCT/US97/17885 FILING DATE: 01-OCT-1997
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APPLICATION NUMBER: US 08/911,312
FILING DATE: 14-AUG-1997
APPLICATION NUMBER: US 08/912,951
FILING DATE: 14-AUG-1997
APPLICATION NUMBER: US 08/915,503
FILING DATE: 14-AUG-1997
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FILING DATE: 29-Sep-1997
APPLICATION NUMBER: US 08/724,643
FILING DATE: 01-0CT-1996
APPLICATION NUMBER: US 08/844,419
FILING DATE: 18-APR-1997
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FILING DATE: 25-APR-1997
APPLICATION NUMBER: US 08/851,843
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APPLICATION NUMBER: US 08/854,050
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NAME: Ausenhus, Scott L.
REGISTRATION NUMBER: 42,271
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SEQUENCE CHARACTERISTICS:
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Matches 15; Conservative
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RESULT 11

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Sequence 21, Applicant Outlibross
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Function Outlibross
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STREET: Works Manualian Telomerase
NUMBERSER: Townsend and Townsend and Crew Lip
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CURRENT APPLICATION NUMBER: US/60/427,808
CURRENT FILING DATE: 2002-11-20
NUMBER OF SEQ ID NOS: 982914
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 952738
LENGTH: 25
                                                                                                                                                                                                                                                                DB 9; Length 23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US-60-427-808-952738
; Sequence 952738, Application US/60427808
; GENERAL INFORMATION:
; APPLICANT: Xue Mei Zhou
; TITLE OF INVENTON: Methods of Genetic Analysis of Mouse
; FILE REFERENCE: 3528
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 14; DB 12; I
Pred. No. 1.4e+02;
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TITLE OF INVENTION: USES THEREOF
FILE REFERENCE: 47487
CURRENT APPLICATION NUMBER: US/10/310,188
CURRENT FILING DATE: 2002-12-19
NUMBER OF SEQ ID NOS: 86841
SOFTWARE: PatentIn version 3.1
SEQ ID NO 36216
LENGTH: 23
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Job time : 658.446 secs
                                                                                                                                                                                                                                                93.3%; Sco.
100.0%; Pre
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Best Local Similarity 100.0%; Pi
Matches 14; Conservative 0;
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Best Local Similarity 100.
Matches 14; Conservative
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; ORGANISM: Mus musculus
US-60-427-808-952738
                                                                                                                                                                            TYPE: DNA
ORGANISM: Homo sapiens
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APPLICANT: Weinrich, Schaud
APPLICANT: Weinrich, Schaud
APPLICANT: Atkinson III, Edward
APPLICANT: Lichtsteiner, Serge
APPLICANT: Lichtsteiner, Serge
APPLICANT: Vasserot, Alain
APPLICANT: Pruzan, Ronald
ITLE OF INVENTION: Using Purified Telomerase to Identify Telomerase Activators and
ITLE OF INVENTION: Unibitors
ITLE OF INVENTION: Inhibitors
ITLE OF INVENTION: Inhibitors
ITLE OF INVENTION: Using Purified Telomerase to Identify Telomerase Activators and
ITLE OF INVENTION: Using Puris: Us/10/330,872A
CURRENT APPLICATION NUMBER: Us/10/336
PRIOR FILING DATE: 1995-08-04
PRIOR FILING DATE: 1995-08-04
PRIOR FILING DATE: 1999-10-18
PRIOR FILING DATE: 1999-10-18
PRIOR FILING DATE: 2000-11-20
NUMBER OF SEQ ID NOS: 11
SEQ ID NO S
LENGTH: 30
TUBER OF SEQ ID NOS: 11
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TITLE OF INVENTION: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL VIRAL REGULATORY GENE
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Pred. No. 35;
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Pred. No. 35;
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  CURRENT APPLICATION NUMBER: US/10/330,872
                                 PRIOR APPLICATION NUMBER: 08/510,736
PRIOR FILING DATE: 1995-08-04
PRIOR PILING DATE: 1995-08-04
PRIOR PELING DATE: 1997-04-04
PRIOR PILING DATE: 1997-04-04
PRIOR PILING DATE: 1999-10-18
PRIOR PILING DATE: 1999-10-18
PRIOR PILING DATE: 2000-11-20
NUMBER OF SEQ ID NOS: 11
SEQ ID NO 5
LENGTH: 30
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; Sequence 36216, Application US/10310188
; GENERAL INFORMATION:
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Best Local Similarity 100.0%;
Matches 15; Conservative 0
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                                                                                                                                                                                                                                                                                                                                                                                        Query Match
Best Local Similarity 100.0
Matches 15; Conservative
                                                                                                                                                                                                                                                                                                      TYPE: DNA ORGANISM: Homo sapiens
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June 23, 2003, 05:20:00 ; Search time 1258.09 Seconds (without alignments) 299.770 Million cell updates/sec
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6/ptodata/2/pna/US089_COMB.seq:*
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6/ptodata/2/pna/US090_COMB.seq:*
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GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.
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Gapop_60.0 , Gapext 60.0
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/ptodata/2/pna/US6005_COMB.seq:

/ptodata/2/pna/US6006_COMB.seq:*

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ptodata/2/pna/US6022<sup>-</sup>
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

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Result		Query				
NO.	Score	Match	Match Length DB	DB	ΩI	Description
re	15	100.0	15	-	PCT-US97-23619-10	Sequence 10, Appl
7	13	100.0	15	11	US-08-770-564A-10	Sequence 10, Appl
m	15	100.0	19	٦	PCT-US97-23619-9	Sequence 9, Appli
4	15	100.0	19	11	US-08-770-564A-9	~
2	15	100.0	25	16	US-09-250-336A-4	4
9	15	100.0	25	25	US-09-642-177-4	Sequence 4, Appli
7	15	100.0	26	н	PCT-US96-14679-27	Sequence 27, Appl
80	15	100.0	26	-	PCT-US96-14679A-27	Sequence 27, Appl
σ	15	100.0	26	~1	PCT-US99-03302-4	4, A
10	15	100.0	26	н	PCT-US99-07533-4	Sequence 4, Appli
11	15	100.0	26	7	PCT-US99-07533-4	Sequence 4, Appli
12	15	100.0	26	9	US-08-272-102-23	Sequence 23, Appl
13	15	100.0	26	7	US-08-387-524-19	Sequence 19, Appl
14	15	100.0	26	æ	US-08-472-802A-24	Sequence 24, Appl
15	15	100.0	26	æ	US-08-472-802B-24	Sequence 24, Appl
16	15	100.0	26	æ	US-08-482-115A-23	Sequence 23, Appl
17	15	100.0	26	σ	US-08-520-550-19	Sequence 19, Appl
18	15	100.0	26	σ	US-08-521-634-41	Sequence 41, Appl
19	15	100.0	26	10	US-08-660-678-23	Sequence 23, Appl
20	15	100.0	26	13	US-08-911-312-23	Sequence 23, Appl
21	15	100.0	56	13	US-08-911-312A-23	Sequence 23, Appl

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ZIE: 94111
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IEM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TELEFAX: 415-576-0300
INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:
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Best Local Similarity 100.º
Matches 15; Conservative
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Best Local Similarity 100.
Matches 15; Conservative
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   LENGIH: 15 base pairs
                                single
                 TYPE: nucleic acid
STRANDEDNESS: sing
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                                                   linear
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                                                TOPOLOGY: 11:
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US-08-770-564A-10
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PCT-US97-23619-9
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Sequence 598, App
Sequence 598, App
Sequence 9, Appli
Sequence 312, App
Sequence 312, App
Sequence 26, Appl
Sequence 8, Appli
Sequence 8, Appli
Sequence 8, Appli
Sequence 8, Appli
Sequence 10, Appli
Sequence 10, Appli
Sequence 10, Appli
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Sequence 598, App
Sequence 598, App
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Sequence 598,
Sequence 598,
                    Sequence 17,
Sequence 598
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT:
APPLICANT:
TITLE OF INVENTION: Methods for Detecting and Inhibiting the
TITLE OF INVENTION: RNA COMPONENT of Telomerase
WIMBER OF SEQUENCES: 29
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PatentIn Release #1.0, Version #1.30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADDRESSEE: Townsend and Townsend and Crew LLP STREET: Two Embarcadero Center, Eighth Floor CITY: San Francisco CTTY: San Francisco COUNTRY: USA
US-08-912-951-312

US-08-974-599-17

US-08-974-599-17

US-09-974-598-17

US-09-216-847-2

US-09-226-344-45

US-09-259-94-45

US-09-402-181A-598

US-09-402-181B-598

US-09-402-181B-598

US-09-402-181B-598

US-09-653-573-5

US-09-653-573-5

US-09-653-573-5

US-09-890-567-9

US-09-890-567-9

US-09-890-567-9

US-09-890-567-9

US-09-890-567-9

US-10-044-692-312

PCT-US97-23619-8

PCT-US97-23619-8

US-08-510-736-5

US-08-510-736-5
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US-09-540-119B-10
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                                                                                                                                                                                                                                                                                                                                                                                                                                        ALIGNMENTS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COMPUTER RENDABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Vers
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US97/23619
FILING DATE: NOT YET ASSIGNED
CLASSIFICATION DATA:
APPLICATION NUMBER: US 08/770,564
FILING DATE: 20-DEC-1996
PRIOR APPLICATION DATA:
FRILING DATE: 20-DEC-1996
APPLICATION NUMBER: US 08/770,565
FILING DATE: 20-DEC-1996
APPLICATION NUMBER: 20-DEC-1996
ATTORNEY/AGENT INFORMATION:
RAGISTRATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 32,944
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 10, Application PC/TUS9723619 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEPAK: (415) 576-0300
INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:
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APPLICANT:
APPLICANT:
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                                                                                                                                                                                                                                                                                                                                                                                       Sequence 10, Application US/08770564A
GENERAL INFORMATION:
APPLICANT: Realey, James T.
APPLICANT: Pruzan, Vames T.
APPLICANT: Pruzan, Scott L.
TITLE OF INVENTION: Inhibitory Polynucleotides Directed
TITLE OF INVENTION: Against the RNA Component of Telomerase
NUMBER OF SEQUENCES: 15
CORRESPONDENCE ADDRESS:
ADDRESSEE: TOWNSEND and TOWNSEND and CREW LLP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 15;
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APPLICATION NUMBER: US/08/770,564A
FILING DATE: 20-DEC-1996
CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
REFRENCE/DOCKET UNMBER: 015389-002200US
TELECOMMUNICATION: INFORMATION:
TELECOMMUNICATION: INFORMATION:
TELECOMMUNICATION: 119-576-0200
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100.0%; Pred. No. 1.4e+02;
iive 0; Mismatches 0;
                                                                                                                   100.0%; Score 15; DB 1; L
100.0%; Pred. No. 1.4e+02;
iive 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     STREET: Two Embarcadero Center, 8th Floor
CITY: San Francisco
STATE: CA
NAME/KEY: -
CCATION: 1..15
COTHER INFORMATION: /note= "oligo 21ab3"
PCT-US97-23619-10
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LACANT: STROVEL, Jeffrey W.
APPLICANT: STROVEL, Jeffrey W.
APPLICANT: STROVEL, Jeffrey W.
APPLICANT: STROVEL, Jeffrey W.
APPLICANT: ABRUZZO, Lydne,
TITLE OF INVENTION: TELOMEANER ASSAY OF BODY FLUIDS FOR CANCER SCREENING
TITLE OF INVENTION: AND ASSESSMENT OF DISEASE STAGE AND PROGNOSIS
FILE REPERENCE: 10460-4 (210460.004)
CURRENT APPLICATION WUMBER: US 60/074,793
PRIOR FILING DATE: 1999-02-16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
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FILING DATE: 20-DEC-1996
CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
NAME: STOREIL JOHN R.
REGISTRATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 015389-002200US
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100.0%; Score 15; DB 16;
Best Local Similarity 100.0%; Pred. No. 1.4e+02;
Matches 15; Conservative 0; Mismatches 0;
     TOWNSEND and TOWNSEND and CREW LLP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 15; DB 11;
Pred. No. 1.4e+02;
                                 Two Embarcadero Center, 8th Floor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Mismatches
                                                                                                                                                                                                                   COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
100.0%; Some Best Local Similarity 100.0%; P. Matches 15; Conservative 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TELECOMMUNICATION INFORMATION: TELEPHONE: 415-576-0200
                                                                                                                                 ZIP: 94111
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 GCTCTAGAATGAACG 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TELEFAX: 415-576-0300
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 19 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: nucleic acid
STRANDEDNESS: single
                              STREET: Two Embarca.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    MOLECULE TYPE: DNA
     ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-08-770-564A-9
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                                                                                                          COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ò
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                                                                                                                                                                                                                   Methods for Detecting and Inhibiting the RNA Component of Telomerase
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GENERAL INFORMATION:
APPLICANT: Kealey, James T.
APPLICANT: Pruzan, Ron
APPLICANT: Weinrich, Scott L.
TITLE OF INVENTION: Inhibitory Polymucleotides Directed
TITLE OF INVENTION: Against the RNA Component of Telomerase
NUMBER OF SEQUENCES: 15
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match 100.0%; Score 15; DB 1; Length 19; Best Local Similarity 100.0%; Pred. No. 1.4e+02; Matches 15; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                    ZIP: 9411-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: BATC COMPATIBLE
COMPUTER: APECH THE SOFTWARE: PACHTIN Release #1.0, Version #1.30
SOFTWARE: PACHTIN DATA:
APPLICATION NUMBER: PCT/US97/23619
FILLING DATE: NOT yet assigned
                                                                                                                                                                                                                                                                     NUMBER OF SEQUENCES: 29
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
STRTE: San Francisco
STATE: California
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/770,564
FILING DATE: 20-DEC-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/770,565
FILING DATE: 20-DEC-196
ATTONNEY, AGENT INFORMATION:
NAME: SLOFELL, JOHN R.
REGISTRATION NUMBER: 32,944
REFERENCE, DOCKET NUMBER: 15389-27PC
TELEPHONE: (415) 576-0300
INFORMATION FOR SEQ ID NO: 9:
SEQUENCE CHARACTERISTICS:
LENGTH: 19 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NAME/KEY: -
| IACATION: 1..19
| O'THER INFORMATION: /note= "oligo 21ab" |
| PCT-US97-23619-9
Sequence 9, Application PC/TUS9723619 GENERAL INFORMATION:
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STRANDEDNESS: single
                                                                                                  APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
TITLE OF INVENTION:
TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TOPOLOGY: linear MOLECULE TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CLASSIFICATION:
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US-08-770-564A-9
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APPLICANT: VILLEPONTEAU, BRYANT
APPLICANT: FENG, JUNII
APPLICANT: VILLEPONTEAU, BRYANT
APPLICANT: ANDREWS, WILLIAM H.
APPLICANT: ADAMS, ROBERT R.
TITLE OF INVENTION: METHODS AND REAGENTS FOR REGULATING
TITLE OF INVENTION: TELOMERE LENGTH AND TELOMERASE ACTIVITY
WUNDER OF SEQUENCES: 27
CORRESPONDENCES: GERON CORPORATION
STREET: 200 CONSTITUTION DRIVE
CITY: MENLO PARK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             100.0%; Score 15; DB 1; Length 26; 100.0%; Pred. No. 1.4e+02;
                                                                                                                                                                                                                                                                              Indels
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ZIP: 94025
COMPUTER READABLE FORM:
MEDIUW TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: FC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US96/14679A
FILING DATE: 13-SEP-1996
                                                                                                                                                                                                                                                        1.4e+02;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: KASTER ESQ., KEVIN R.
REGISTRATION NUMBER: 32,704
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         REFERENCE/DOCKET NUMBER: 01
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 473-7779
                                                                                                                                                                                                                                     100.0%;
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                                                                                                                                       TOPOLOGY: linear MOLECULE TYPE: DNA (genomic) PCT-US96-14679-27
                                                                                                                                                                                                                                                                                                                              1 GCTCTAGAATGAACG 15
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INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
LENGTH: 26 base pairs
TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (415)473-7750
  (415)473 - 7750
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Best Local Similarity 100.
Matches 15; Conservative
                        INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
                                                                   LENGTH: 26 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CALIFORNIA
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Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        linear
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PCT-US99-03302-4
TELEFAX:
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; OTHER INFORMATION: Description of Unknown Organism:R3c, Primer
US-09-642-177-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: VILLEPONTEAU, BRYANT
APPLICANT: FENG, JUNLI
APPLICANT: ANDREWS, WILLIAM H.
APPLICANT: ADAMS, ROBERT M.
ADABESESE: GENON CORPORATION
STREET: 200 CONSTITUTION DRIVE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 25;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Indels
                                                                                                                                                       GENERAL INFORMATION:
APPLICANT: STROWEL, Jeffrey W.
APPLICANT: STRAMBERG, Judith
APPLICANT: ABRUZZO, Lynne V.
APPLICANT: HIGHSMITH, Edward
TITLE OF INVENTION: TELOMBERAE ASSAY OF BODY FLUIDS
TILE REFERENCE: 10460-4011 (210460.0019)
CURRENT APPLICATION NUMBER: US 60/074,777
CURRENT FILING DATE: 1099-02-16
FRIOR APPLICATION NUMBER: US 09/250,336
FRIOR APPLICATION NUMBER: PCT/US99/03302
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SOFTWARE: Patentin Release #1.0, Version #1.30 CURRENT APPLICATION DATA:
APPLICATION DATA:
FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 15; DB 25;
Pred. No. 1.4e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            оты ER: PCT/US96/14679
13-SEP-1996
1.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  STATE: CALIFORNIA
COUNTRY: U.S.A.
ZIP: 940.2
ZIP: PARADABLE FORM:
MEDLUM TYPE: FLOPPY disk
COMPUTER: IBM PC COMPATIBLE
COMPUTER: IBM PC COMPATIBLE
COMPATING SYSTEM: PC-DOS/MS-D
                                                                                                                   Sequence 4, Application US/09642177 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           .
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NAME: KASTER ESQ., KEVIN R.
REGISTRATION NUMBER: 32,704
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               REFERENCE/DOCKET NUMBER: 0.
TELECOMMUNICATION INFORMATION
TELEPHONE: (415) 473-7779
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             100.0%;
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    4 GCTCTAGAATGAACG 18
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity 100.
Matches 15; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SEQ ID NO 4
LENGIH: 25
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                                                                                                                                                                                                                                                              Length 26;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: VILLEPONTEAU, Bryant
APPLICANT: FUNK, Walter
APPLICANT: FUNK, Walter
APPLICANT: FUNK, Walter
TITLE OF INVERTION: HUMAN TELOMERASE
NUMBER OF SEQUENCES: 24
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend Khourie and Crew
STREET: 379 Lytton Avenue
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPTER: IBM PC compatible
COMPTER: DATE PC compatible
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/272,102
FILING DATE: 07-JUL-1994
CLASSTRICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Smitch, William M
REGISTRATION NUMBER: 30,223
                                                                                                                                                                                                                                                            Query Match
100.0%; Score 15; DB 1;
Best Local Similarity 100.0%; Pred. No. 1.4e+02;
Matches 15; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     100.0%; Score 15; DB 6;
100.0%; Pred. No. 1.4e+02;
tive 0; Mismatches 0;
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TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 326-2400
TELEFAX: (415) 326-2422
INFORMATION FOR SEQ ID NO: 23:
                             NUMBER OF SEQ ID NOS: 15
SOFTWARE: FastSEQ for Windows Version 3.0
       EARLIER FILING DATE: 1998-04-06
                                                                                                                    TYPE: DNA
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                    5 GCTCTAGAATGAACG 19
                                                                                                                                                                                                                                                                                                                                                           1 GCTCTAGAATGAACG 15
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Best Local Similarity 100...
The 15; Conservative
                                                                                                                                                                FEATURE:
COTHER INFORMATION: primer PCT-US99-07533-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       26 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CITY: Palo Alto
STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ; MOLECULE TYPE: DNA US-08-272-102-23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RESULT 13
US-08-387-524-19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-08-272-102-23
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                                                                      SEQ ID NO 4
LENGTH: 26
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                                         APPLICANT: Strovel, Jeffrey W
APPLICANT: Strovel, Judith
APPLICANT: Stamberg, Judith
APPLICANT: Stamberg, Judith
APPLICANT: Habrazo, Lynne v
APPLICANTON: Telomerase Assay of Body Fluids for Cancer Screening
TITLE OF INVENTION: and Assessment of Disease Stage and Prognosis
FILE REPERENCE: 148912 60/074,793
CURRENT PILING DATE: 1999-02-16
EARLIER APPLICATION NUMBER: 60/074,793
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
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Pred. No. 1.4e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 15; DB 1; Length 26;
Pred. No. 1.4e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      OTHER INFORMATION: Description of Artificial Sequence: R3c, OTHER INFORMATION: synthesized, Gibco-BRL PCT-US99-03302-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 4, Application PC/TUS9907533
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: THE JOHNS HOPKINS UNIVERSITY SCHOOL OF MEDICINE
TITLE OF INVENTION: TELOWERASE-ASSOCIATED PROTEINS
FILE REFERENCE: 07265/157W01
CURRENT APPLICATION NUMBER: PCT/US99/07533
CURRENT FILING DATE: 1999-04-06
EARLIER APPLICATION NUMBER: 60/080,783
EARLIER APPLICATION NUMBER: 60/080,783
EARLIER PILING DATE: 1998-04-06
NUMBER OF SEQ 1D NOS: 15
SOFTWARE: FastSEQ for Windows Version 3.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             GEQUENCE 4, Application PC/TUS9907533A
GENERAL INFORMATION:
APPLICANT: THE JOHNS HOPKINS UNIVERSITY SCHOOL OF MEDICINE
TITLE OF INVENTION: TELOMERASE-ASSOCIATED PROTEINS
FILE REPERENCE: 07265/157W01
CURRENT APPLICATION NUMBER: PCT/US99/07533A
CURRENT PILING DATE: 1999-04-06
EARLIER APPLICATION NUMBER: 60/080,783
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match 100.0%; Score 15; Di
Best Local Similarity 100.0%; Pred. No. 1.4
Matches 15; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0; Mismatches
; Sequence 4, Application PC/TUS9903302; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            100.0%;
100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                       ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 GCTCTAGAATGAACG 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 GCTCTAGAATGAACG 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         GCTCTAGAATGAACG 19
                                                                                                                                                                                                                                                                                                                           SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 4
LENGTH: 26
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
Best Local Similarity 100.
Matches 15, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                FEATURE:
OTHER INFORMATION: primer
                                                                                                                                                                                                                                                                                                        NUMBER OF SEQ ID NOS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PCT-US99-07533-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PCT-US99-07533-4
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SEQ ID NO 4
LENGTH: 26
                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: DNA
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Length 26;
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ZIP: 94111-3834

COMPUTER READABLE FORM:
MEDIUW TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/NS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/472,802B
FILING DATE: 07-JUN-1995
CLASSIFICATION NUMBER: US/08/472,02B
FILING DATE: 07-JUL-1994
PRIOR APPLICATION NUMBER: US 08/272,102
FILING DATE: 07-JUL-1994
PRIOR APPLICATION NUMBER: US 08/330,123
FILING DATE: 27-OCT-1994
                                                                                                                         SOFTWARE STATEM, CLUBER STATEM, CORRESPONDED SOFTWARE PATENTIN Release #1.0, Version #1.30 CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/472,002A FILING DATE: 07-JUN-1995
FILING PAPLICATION NUMBER: US/08/272,102
FILING DATE: 07-JUL-1994
PRIOR APPLICATION NUMBER: US/08/330,123
FILING DATE: 27-OCT-1994
ATTORNEY/AGENT INFORMATION:
NAME: STORELLA JOHN R.
REGISTRATION NUMBER: 15389-000820
TELECOMMUNICATION INFORMATION:
NAME: (415) 576-0200:
TELEBRHORE (415) 576-0200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADDRESSEE: Townsend and Townsend and Crew LLP STREET: Two Embarcadero Center, Eighth Floor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         100.0%; Score 15; DB 8;
100.0%; Pred. No. 1.4e+02
tive 0; Mismatches 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: Villeponteau, Bryant
APPLICANT: Feng, Junli
APPLICANT: Andrews, William H.
TITLE OF INVENTION: Mammalian Telomerase
NUMBER OF SEQUENCES: 43
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 24, Application US/08472802B GENERAL INFORMATION:
                                                            : Floppy disk
IBM PC compatible
SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TELEFAX: (415) 576-0300
INFORMATION*FOR SEQ ID NO: 2
SEQUENCE CHARACTERISTICS:
LENGTH: 26 base pairs
TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity 100.0
Matches 15; Conservative
                                        COMPUTER READABLE FORM: MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CITY: San Francisco
STATE: California
                                                                                                            OPERATING SYSTEM:
SOFTWARE: PatentI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-08-472-802A-24
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                                                                                                                                                          APPLICANT: Marhuenda, mar. APPLICANT: Villeponteau, Bryant
APPLICANT: Villeponteau, Bryant
TITLE OF INVENTION: RNA Component of Telomerase
NUMBER OF SEQUENCES: 42
CORRESPONDENCE ADDRESS:
ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
STREET: Two Militia Drive
CITY: Lexington
                                                                                                                                                                                                                                                                                                                                                                                                                                                   WEDTUM TYPE: FIDPPY disk
COMPUTER: IBM PC Compatible
COMPUTER: IBM PC Compatible
COMPUTER: IBM PC Compatible
COMPUTER: IBM PC Compatible
COMPUTER: PSYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/387,524
FILING APPLICATION 1435
PRIOR APPLICATION NUMBER: US 08/330,123
FILING DATE: 27-OCT-1994
PRIOR APPLICATION NUMBER: US 08/330,123
FILING DATE: 07-OCT-1994
ATPONENTY/AGENT INPORMATION:
APPLICATION NUMBER: US 08/272,102
FILING DATE: 07-JUL-1994
ATPONENTY/AGENT INPORMATION:
NAME: Companies Detection
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: Villeponteau, Bryant
APPLICANT: Feng, Junli
APPLICANT: Funk, Walter
APPLICANT: Andrews, William H.
TITLE OF INVENTION: Mammalian Telomerase
NUMBER OF SEQUENCES: 40
CORRESPONDENCE ADDRES:
ADDRESSEE: Townsend and Townsend and Crew LLP
STRET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 15; DB 7; I
Pred. No. 1.4e+02;
; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NAME: Granahan, Patricia
REGISTRATION NUMBER: 32,227
REFERENCE/DOCKET NUMBER: CSHL94-05A3
TELECOMUNICATION INFORMATION:
TELEPHONE: 617-861-6240
TELEFAX: 617-861-9540
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 24, Application US/08472802A GENERAL INFORMATION:
                                                                                           Feng, Junii
Funk, Walter
Greider, Carol
Marhuenda, Maria A. B.
Application US/08387524
                                             Andrews, William H. Avilion, Ariel A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               100.0%;
100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TELEFAX: 617-861-9540
INFORMATION FOR SEQ ID NO: 19:
SEQUENCE CHARACTERISTICS:
LENGTH: 26 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
US-08-387-524-19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match 100.
Best Local Similarity 100.
Matches 15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                         COMPUTER READABLE FORM:
                                                                                                                                                                                                                                                                                                                                                                                                               ZIP: 02173
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-08-472-802A-24
       Sequence 19,
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Gaps

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Search completed: June 23, 2003, 16:08:21 Job time: 1258.16 secs

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Sequence 2, Appli Sequence 49, Appl Sequence 24, Appl Sequence 24, Appl Sequence 24, Appl Sequence 24, Appl Sequence 1399, Ap

Sequence

Word size :

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Result Š

Searched:

Sequence:

Sequence

Sequence 11, Sequence 3, Ap

12,

Sequence 15, Sequence 11,

Sequence 40, App Sequence 12, App

Sequence 2, Sequence

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Run on:

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Sequence 10, Appl
Sequence 14, Appl
Sequence 18, Appl
                                                                                        Sequence 15, Appli
Secuence 15, April
                                                                                                                                                                                                                                                                                                     Sequence
Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 312, Application US/10044692
Publication No. US20030096344A1
GENERAL INFORMATION:
Lingner, Joachim
Nakamura, Toru
Chapmar, Karen B.
Morin, Gregg B.
Harley, Calvin
Andrews, William H.
TITLE OF INVENTION: HUMAN TELOMERASE CATALYTIC SUBUNIT:
THERAPEUTIC METHODS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      COMPUTER. READBLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: In PC compatible
COMPUTER: Ploppy disk
COMPUTER: Ploppy disk
COMPUTER: Talm PC compatible
CORRATE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US,10/044,692
FILING DATE: 11-Jan-2002
CLASSIPICATION: «UNKNOWN»
PRIOR APPLICATION: «UNKNOWN»
PRIOR APPLICATION NUMBER: US 08/912,951
FILING DATE: -UNKNOWN»
APPLICATION NUMBER: US 08/854,050
FILING DATE: 06-MAY-1997
APPLICATION NUMBER: US 08/846,017
FILING DATE: S2-APR-1997
APPLICATION NUMBER: US 08/844,419
FILING DATE: 18-APR-1997
APPLICATION NUMBER: US 08/844,419
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP STREBT: Two Embarcadero Center, 8th Floor CITY: San Francisco STATE: California COUNTRY: United States of America ZIP: 94111
US-10-098-263B-104702

US-10-118-495-13

US-10-118-495-13

O US-09-784-508-8

US-10-162-23-2

O US-09-964-895-7

US-09-964-895-7

US-09-964-895-7

US-09-964-895-7

US-09-964-895-15

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O US-09-91-648-14

O US-09-91-09-263B-1899

O US-10-098-263B-1899

O US-10-098-263B-1899

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O US-10-098-263B-1899

O US-10-098-263B-1899
                                                                                                                                                                                                                                                                                                                                                                     ALIGNMENTS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NUMBER OF SEQUENCES: 335
                                RESULT 1
US-10-044-692-312
        Sequence 312, App
Sequence 213, App
Sequence 13, Appl
Sequence 19, Appl
Sequence 3, Appl
Sequence 31, Appl
Sequence 6862, Ap
Sequence 6862, Ap
Sequence 16, Appl
Sequence 16, Appl
Sequence 16, Appl
Sequence 2, Appli
Sequence 2, Appli
Sequence 2, Appli
Sequence 2, Appli
Sequence 33522, A
Sequence 10750, A
Sequence 10750, A
Sequence 44593, A
Sequence 44593, A
                                                                                         June 23, 2003, 06:41:29; Search time 120.538 Seconds (without alignments) 182.610 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Description
                                                                                                                                                                                                                                                                                                                                                                          Published Applications NA:*

1: /cgn2_6/ptodata//pubpna/US07_PUBCOMB.seq:*

2: /cgn2_6/ptodata//pubpna/US07_NEW_PUB.seq:*

3: /cgn2_6/ptodata//pubpna/US06_NEW_PUB.seq:*

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7: /cgn2_6/ptodata//pubpna/US08_NEW_PUB.seq:*

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13: /cgn2_6/ptodata//pubpna/US09_PUBCOMB.seq:*
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                                                                                                                                                                                                                                                                                         832576
                 GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-10-098-263B-118949

US-09-952-52B-19

US-09-952-522B-17

US-09-952-522B-17

US-09-952-522B-17

US-09-952-522B-31

US-10-098-64498

US-10-098-263B-64498

US-10-091-366-16

US-09-97-868-13

US-09-97-868-13

US-09-97-868-13

US-09-95-252B-9

US-10-098-263B-10750

US-10-098-263B-14593

US-10-098-263B-44593
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-09-057-351-23
                                                                                                                                                                                                                                    1042519 segs, 733713590 residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SUMMARIES
                                                                nucleic search, using sw model
                                                                                                                                                                                                                                                                                                                                                      Post-processing: Listing first 45 summaries
                                                                                                                                                                                              OLIGO NUC
Gapop 60.0 , Gapext 60.0
                                                                                                                                                                    GCTCTAGAATGAACG 15
                                                                                                                                        US-08-770-564A-10
15
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Match Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Minimum DB seq length: 0 Maximum DB seq length: 50
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Scoring table:
                                                                                                                                                         Perfect score:
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DIAGNOSTIC AND

; 0

Length 26; Indels

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COMPUTER RELADED FORM disk COMPUTER: PLOSDY disk COMPUTER: IBM PC compatible CONFADING SYSTEM: PC-DOS/MS-DOS SOFTWARE: Patentin Release #1.0, Version #1.30 SOFTWARE: Patentin Release #1.0, Version #1.30 CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/057,351 FILING DATE: 08-APR-1994 CLASSIFICATION NUMBER: US 08/272,102 FILING DATE: 07-JUL-1994 PRIOR APPLICATION NUMBER: US 08/330,123 FILING DATE: 27-OCT-1994 PRIOR APPLICATION NUMBER: US 08/330,123 FILING DATE: 27-OCT-1994 PRIOR APPLICATION NUMBER: US 08/472,802 FILING DATE: U
NAME: Apple, Randolph T.
REGISTRATION NUMBER: 36,429
REFERENCE/DOCKET NUMBER: 015389-002600US
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADDRESSEE: Townsend and Townsend and Crew LLP STREET: Two Embarcadero Center, Eighth Floor CITY: San Francisco STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           100.0%; Score 15; DB 9;
100.0%; Pred. No. 5.1;
tive 0; Mismatches 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 23, Application US/09057351
Patent No. US20010034439A1
GENERAL INFORMATION:
APPLICANT: Villeponteau, Bryant
APPLICANT: Feng, Juni;
APPLICANT: Funk, Walter
APPLICANT: Funk, Walter
TITLE OF INVENTION: Mammalian Telomerase
NUMBER OF SEQUENCES: 42
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
PREFERENCE/DOCKET NUMBER: 015389-000821US
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                  TOPOLOGY: linear
MOLECULE TYPE: DNA
SEQUENCE DESCRIPTION: SEQ ID NO: 312:
                                                                                                                    INFORMATION FOR SEQ ID NO: 312:
SEQUENCE CHARACTERISTICS:
LENGTH: 26 base pairs
                                                                                                                                                                                                                                                                                                                           STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1 GCTCTAGAATGAACG 15
                                                                                                                                                                                                                                                                                             TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      26 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    nucleic acid
EDNESS: single
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Matches 15; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-10-044-539-312
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     STATE: C. COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US-09-057-351-23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
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APPLICANT: Cech, Thomas R.
Lingmer, Joachim
Nakamura, Toru
Chapman, Karen B.
Morin, Greeg B.
Harley, Calvin
Andrews, William H.
TITLE OF INVENTION: THERAPEUTIC METHODS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ö
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COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION MMBRR: US/10/044.539
FILING DATE: 11-Jan-2002
CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, 8th Floor
                                                                                                NAME: Apple, Randolph T.
REGISTRATION NUMBER: 36,429
REFERENCE/DOCKET NUMBER: 015389-002600US
TELECOMMUNICATION INFORMATION:
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FILING DATE: «Unknown»
APPLICATION NUMBER: US 08/854,050
FILING DATE: 09-MAY-1997
APPLICATION NUMBER: US 08/851,843
FILING DATE: 06-MAY-1997
APPLICATION NUMBER: US 08/846,017
FILING DATE: 25-APR-1997
APPLICATION NUMBER: US 08/844,419
APPLICATION NUMBER: US 08/844,419
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COUNTRY: United States of America
             APPLICATION NUMBER: US 08/724,643
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       MOLECULE TYPE: DNA
SEQUENCE DESCRIPTION: SEQ ID NO: 312:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 15;
Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 312, Application US/10044539 Publication No. US20030100093A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                 TELEPHONE: (415) 576-0200
TELERAR: (415) 576-0200
INFORMATION FOR SEQ ID NO: 312:
SEQUENCE CHARACTERISTICS:
                                       FILING DATE: 01-OCT-1996 ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ATTORNEY/AGENT INFORMATION
                                                                                                                                                                                                                                                                                                                                                         LENGTH: 26 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              100.0%;
illarity 100.0%;
Conservative 0
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STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1 GCTCTAGAATGAACG 15
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COMPUTER READABLE FORM:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                            TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity
Matches 15; Conserv
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us-08-770-564a-10.oligo.rnpb

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US-09-844-006A-3

| Sequence 3, Application US/09844006A |
| Sequence 3, Application US/09844006A |
| Sequence 3, Application US/09844006A |
| GENERAL INFORMATION: |
| APPLICANT: Watt, Sarah |
| APPLICANT: TSou, Pei-Lan |
| APPLICANT: Robertson, Dominique |
| APPLICANT: Robertson, Dominique |
| APPLICANT: Robertson, Dominique |
| APPLICANT: Boss, Wendy |
| TILE OF INVENTION: TRANSGENIC FLANTS WITH INCREASES IN CALCIUM STORES |
| FILE REFERENCE: 5051-503 |
| CURRENT FILING DATE: 2001-04-30 |
| PRIOR APPLICATION UNMBER: 60/200,233 |
| PRIOR PILING DATE: 2000-04-28 |
| NUMBER OF SEQ ID NOS: 8 |
| SOFTHARE: Patentin version 3.0 |
                                                                                                Gape
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APPLICANT: Hedrick, Marc H.
APPLICANT: Hedrick, Marc H.
APPLICANT: Hedrick, Marc H.
APPLICANT: Benhaim, Prosper
APPLICANT: Corenz, Hermann Peter
APPLICANT: Zhu, Min
TILE OF INVENTION: ADIPOSE-DERIVED STEM CELLS AND LATTICES
FILE REFERENCE: 30448 77US1
CURRENT APPLICATION NUMBER: US/09/952,522B
CURRENT APPLICATION NUMBER: PCT/US00/06332
PRIOR APPLICATION NUMBER: 60/123,711
PRIOR FILING DATE: 1999-10-29
PRIOR FILING DATE: 1999-10-29
PRIOR FILING DATE: 1999-10-29
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 28;
                                                  Length 26;
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82;
                                                  DB 9;
. 82;
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CTHER INFORMATION: Synthetic Oligonucleotide.
US-09-844-006A-3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match 86:7%; Score 13; DB Best Local Similarity 100.0%; Pred. No. 82;
                                                                                            Mismatches
                                                  Score 13;
Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ; Sequence 17, Application US/09952522B
; Publication No. US20030082152A1
                                                Query Match
Best Local Similarity 100.0%; Pi
Matches 13; Conservative 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: DNA ORGANISM: Artificial Sequence
                                                                                                                                     1 GCTCTAGAATGAA 13
                                                                                                                                                                                 1 GCTCTAGAATGAA 13
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SOFTWARE: Patentin Ver.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NAME/KEY: misc feature
    US-09-952-522B-19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         RESULT 7
US-09-952-522B-17
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LENGTH: 28
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APPLICANT: Katz, Adam J.

APPLICANT: Lill, Ramon J.

APPLICANT: Futrell, J. William

APPLICANT: Futrell, J. William

APPLICANT: Hedrick, Marc H.

APPLICANT: Benhaim, Prosper

APPLICANT: Benhaim, Prosper

APPLICANT: Lorenz, Hermann Peter

CURRENT FLING WILL MUNEER: 05/09/952, 522B

CURRENT FLING DATE: 2001-09-10

PRIOR FLING DATE: 1999-03-10

PRIOR FLING DATE: 1999-03-10

PRIOR FLING DATE: 1999-10-29

NUMBER OF SEQ ID NOS: 58

NUMBER OF SEQ ID NOS: 58

SOFTWARE PATENTIN VET: 2.1
                                                                                                                                                                                                                                                                                                                       Sequence 118949, Application US/10098263B

Publication No. US20030104410A1

GENERAL INFORMATION:

APPLICANT: Mittnan, Michael

TITLE OF INVENTION: Human Microarray

FILE REFERENCE: 3118.1

CURRENT APPLICATION NUMBER: 05/26,76,759

FRIOR PFLING DATE: 2003-01-08

PRIOR PFLING DATE: 2001-03-16

NUMBER OF SEQ ID NOS: 131066

SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1

LENGTH: 25
                                                                                         Score 15; DB 10; Length 26;
Pred. No. 5.1;
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OTHER INFORMATION: Description of Artificial Sequence: Bone
OTHER INFORMATION: sialoprotein forward primer
                                                                                                                                     0; Indels
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82;
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                                                                                                                                     0; Mismatches
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Sequence 19, Application US/09952522B
Publication No. US20030082152A1
                                                                                         100.0%;
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ORGANISM: Artificial Sequence
                                                                                                                                                                             1 GCTCTAGAATGAACG 15
                                                                                                                                                                                                    5 GCTCTAGAATGAACG 19
                                                                                   Query Match
Best Local Similarity 100.0
Matches 15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity 100.
Matches 13; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ); ORGANISM: Homo sapien
US-10-098-263B-118949
; TOPOLOGY: linear; MOLECULE TYPE: DNA US-09-057-351-23
                                                                                                                                                                                                                                                                                       RESULT 4
US-10-098-263B-118949/c
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LENGTH: 26
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TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
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LENGTH: 25
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                                                                      ) OTHER INFORMATION: Description of Artificial Sequence: Osteopontin ) OTHER INFORMATION: forward primer US-09-952-522B-17
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APPLICANT: Lorenz, Hermann Peter
APPLICANT: Lorenz, Hermann Peter
APPLICANT: Zhu, Min
TITLE OF INVENTION: ADIPOSE-DERIVED STEM CELLS AND LATTICES
FILE REFERENCE: 30448.70511
CURRENT APPLICATION NUMBER: US/09/952,522B
CURRENT FILING DATE: 2001-09-10
PRIOR APPLICATION NUMBER: PCT/US00/06232
PRIOR FILING DATE: 1999-03-10
PRIOR APPLICATION NUMBER: 60/123,711
PRIOR FILING DATE: 1999-10-29
PRIOR PRILING DATE: 1999-10-29
NUMBER OF SEQ. ID NOS: 58
SOFTWARE: Patentin Ver. 2.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 6862, Application US/10215112

Publication No. US20030082596A1

GENERAL INFORMATION:
APPLICANT: Michael Mittmann
TITLE OF INVENTION: Method of Genetic Analysis of Probes:
TITLE OF INVENTION: Method of Genetic Analysis of Probes:
TITLE OF INVENTION: Test3

TITLE OF INVENTION: Method of Genetic Analysis of Probes:
TITLE OF INVENTION: Method of Genetic Analysis of Probes:
TITLE OF INVENTION: 110N: 1613

CURRENT APPLICATION NUMBER: US/10/215,112

CURRENT FILING DATE: 2002-08-08

NUMBER OF SEQ ID NOS: 14936

SOFTWARE: FESTSEQ for Windows Version 4.0

SEQ ID NO 6862

LENGTH: 25
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                                                                                                                                                                   Query Match 80.0%; Score 12; DB 9; Length 23; Best Local Similarity 100.0%; Pred. No. 3.3e+02; Matches 12; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                     Application US/09952522B
No. US20030082152A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: Katz, Adam J.
APPLICANT: Liull, Ramon
APPLICANT: Furrell, J. William
APPLICANT: Hedrick, Marc H.
APPLICANT: Benhaim, Prosper
APPLICANT: Lorenz, Hermann Peter
APPLICANT: Zhu, Min
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: DNA ORGANISM: Artificial Sequence
     TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           12; Conservative
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                                                                                                                                                                                                                                                                     1 GCTCTAGAATGA 12
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Best Local Similarity
Matches 12; Conserv
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LENGTH: 23
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APPLICANT: Williams, James A.
APPLICANT: Williams, John A.
TITLE OF INVENTION: IDENTIFICATION OF NEUTRALIZING EPITOPES
OF TOXIN A AND TOXIN B FOR THE TREATMENT OF C. DIFFICILE DISEASE
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TITLE OF INVENTION: Human Microarray
FILE REPRENCE: 3118.1
CURRENT APPLICATION WHOBER: US/10/098,263B
CURRENT FILING DATE: 2003-01-08
PRIOR APPLICATION WHOBER: 60/276,759
PRIOR FILING DATE: 2001-03-16
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
                                                                     Length 25;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 25;
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CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/011,366
FILING DATE: 16-No. US20030054493A1-2001
CLASSIFICATION: <UNknown>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 12; DB 9; Leng
Pred. No. 3.3e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CORRESPONDENCE ADDRESS:
CORRESPONDENCE ADDRESSE: Medlen & Carroll
STREET: 220 Montgomery Street, Suite 2200
CITY: San Francisco
CITY: San Francisco
STATE: California
COUNTRY: United States of America
ZIP: 94104
COMPUTER READABLE FORM:
                                                                                            .3e+02;
                                                                     DB 9;
GHER INFORMATION: Synthetic Oligonucleotide, US-10-215-112-6862
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/957,310
                                                                                                                0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      MEDIUM TYPE: Floppy disk COMPUTER: IBM PC COMPATIBLE OPERATING SYSTEM: PC-DOS/MS-DOS SOFTWARE: PATENTIN Release #1.0,
                                                                       80.0%; Score 12; 100.0%; Pred. No.
                                                                                                                                                                                                                                                                                                                  Sequence 64498, Application US/10098263B Publication No. US20030104410A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-10-011-366-16; Sequence 16, Application US/10011366; Publication No. US20030054493A1; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                80.0%;
                                                                  Query Match
Best Local Similarity 100.
Matches 12, Conservative
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                                                                                                                                                            1 GCTCTAGAATGA 12
                                                                                                                                                                                                 15 GCTCTAGAATGA 4
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US-10-098-263B-64498
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Best Local Similarity
Matches 12; Conserv
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US-10-098-263B-64498/c
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Gaps
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TITLE OF INVENTION: BYOPRODUCTION OF PARA-HYDROXYCINNAMIC ACID
FILE REFERENCE: BC1009 US CIP
CURRENT APPLICATION NUMBER: US/09/765,873A
CURRENT FILING DATE: 2001-01-19
PRIOR APPLICATION NUMBER: US 09/627,216
PRIOR PILING DATE: 2000-07-27
PRIOR APPLICATION NUMBER: US 60/147,719
PRIOR FILING DATE: 1999-08-06
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Zhu, Min
TITLE OF INVENTION: ADIPOSE DERIVED STEM CELLS AND LATTICES
FILE REFERENCE: 30464770S11
CURRENT APPLICATION NUMBER: US/09/952,522B
CURRENT FILING DATE: 2001-09-10
PRIOR APPLICATION NUMBER: 9C7/US00/06232
PRIOR FILING DATE: 2000-03-10
PRIOR FILING DATE: 1999-03-10
PRIOR FILING DATE: 1999-10-29
PRIOR FILING DATE: 1999-10-29
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               73.3%; Score 11; DB 10; Length 22;
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                                                                                                                                                                                                                     73.3%; Scc. No. - 100.0%; Pred. No. - 0; Mismatches
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                                                                                                                                 ; TOPOLOGY: Linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 13:
US-09-997-868-13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 5, Application US/09765873A Patent No. US20010053847A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 9, Application US/09952522B Publication No. US20030082152A1 GENERAL INFORMATION:
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100.0%; Pic
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APPLICANT: Liull, Ramon
APPLICANT: Futrell, J. William
APPLICANT: Hedrick, Marc H.
APPLICANT: Benhaim, Prosper
                                                                                      LENGTH: 21 base pairs
                      TELEFAX: 650/952-988:
INFORMATION FOR SEQ ID NO: 13:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NUMBER OF SEQ ID NOS: 38
SOFTWARE: Microsoft Office 97
SEQ ID NO 5
                                                                                                             TYPE: Nucleic Acid
                                                                                                                                                                                                                              Query Match 13.3
Best Local Similarity 100.
Matches 11, Conservative
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      TELEPHONE:
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Best Local Similarity
Matches 11; Conserv
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US-09-952-522B-9
                                                                                                                                                                                                                                                                                                                                                                                                                                                        US-09-765-873A-5
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APPLICANT:
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MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: 1BM PC compatible
COMPUTER: 1BM PC compatible
COMPUTER: 1BM PC compatible
COMPUTER: 1BM PC compatible
CURRATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPatin (Genentech)
CURRATIONION DATA:
APPLICATION NUMBER: US/09/997,868
FILING DATE: 12-Mar-2002
CLASSIFICATION: <UNKNOWN>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 13, Application US/09997868
Publication No. US20030031654A1
GENERAL INFORMATION:
APPLICANT: Gorman, Cornelia M.,
Groskreutz, Debyra J.
TITLE OF INVENTION: Prohormone Convertase
                                     FILING DATE: 24-OCT-1994
APPLICATION NUMBER: US 08/161,907
FILING DATE: 02-DEC-1993
APPLICATION NUMBER: US 07/985,321
FILING DATE: 04-DEC-1992
FILING DATE: 31-OCT-1989
                                                                                                                                                                                                                 NAME: Ingolia, Diane E.
REGISTRATION NUMBER: 40,027
REFERENCE/DOCKET NUMBER: OPHD-01121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             FILING DATE: 22-MAY-1992
APPLICATION NUMBER: 07/803631
FILING DATE: 06-DEC-1992
APPLICATION NUMBER: PCT/US92/10621
FILING DATE: 04-DEC-1992
FILING DATE: 23-OCT-1997
APPLICATION NUMBER: US 08/329,154
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REFERENCE/DOCKET NUMBER: P0748P3
                                                                                                                                                                                                                                                                                                                                                                                                                                             TOPOLOGY: linear MOLECULE TYPE: DNA (genomic) SEQUENCE DESCRIPTION: SEQ ID NO: 16: US-10-011-366-16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               80.0%; Score 12; 100.0%; Pred. No.
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APPLICATION NUMBER: 07/887265
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                               TELECOMMUNICATION INFORMATION TELEPHONE: (415) 705-841(
                                                                                                                                                                                                                                                                                                   TELEPHONE: (415) 705-841
TELEFAX: (415) 397-8338
INFORMATION FOR SEQ ID NO: 16:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                             ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                        LENGTH: 26 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                    SEQUENCE CHARACTERISTICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CORRESPONDENCE ADDRESS
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Best Local Similarity 100.
Matches 12; Conservative
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US-10-245-813-2
; Sequence 2, Application US/10245813
; Fublication No. US20030060443A1
; GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Gyun Min Lee
TITLE OF INVENTION: INHIBITION OF APOPTOSIS BY THE
TITLE OF INVENTION: EXPRESSION OF ANTISENSE RNA OF CASPASE-2
FILE REFERENCE: 118.19-US-01
; CURRENT APPLICATION NUMBER: US/10/245,813
; CURRENT APPLICATION NUMBER: US/10/545,813
; CURRENT APPLICATION NUMBER: US/10-57353
; PRIOR FILING DATE: 2001-09-17
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: FASELSEQ for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 24
                                                                                                                                                                                                                                                                                                          ó
                                                                                                                                          FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: human
CTHER INFORMATION: osteocalcin forward primer
US-09-952-528-9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 24;
                                                                                                                                                                                                                                                       Query Match 73.3%; Score 11; DB 9; Length 23; Best Local Similarity 100.0%; Pred. No. 1.3e+03; Matches 11; Conservative 0; Mismatches 0; Indels
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73.3%; Score 11; DB 9; Lv
Best Local Similarity 100.0%; Pred. No. 1.3e+03;
Matches 11; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ; FEATURE:
; OTHER INFORMATION: casp3L primer
US-10-245-813-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: DNA ORGANISM: Artificial Sequence
                                                                                                 TYPE: DNA
ORGANISM: Artificial Sequence
NUMBER OF SEQ ID NOS: 58
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 9
LENGTH: 23
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Search completed: June 23, 2003, 20:01:32 Job time : 120.538 secs

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APPLICANT: Wu, Fred
APPLICANT: Wu, Fred
APPLICANT: Pruzan, Ronald
APPLICANT: Weinrich, Scott L.
TITLE OF INVENTION: Methods for Detecting the RNA Component of
TITLE OF INVENTION: Telomerase
                                                                          Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ö
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ZIP: 94111-3834

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC Compatible
COMPUTER: Ploppy disk
COMPUTER: Plan PC Compatible
COMPUTER: Plan PC Compatible
COMPUTER: Patentin Release #1.0, Version #1.30
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/770,565
FILING DATE: 20-DEC-1996
CLASSIFICATION: 435
ATTONEY/AGENT INFORMATION:
NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 32,944
FELEPRANICATION NUMBER: 32,944
TELEPRANICATION NUMBER: 32,944
REFERENCE FOOCKET NUMBER: 32,944
REFERENCE FOOCKET NUMBER: 32,944
INFORMATION SEQ ID NO: 10:
SEQUENCE CHRACTERISTICS:
LENGTH: 15 base pairs
LENGTH: 15 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADDRESSEE: TOWNSEND and TOWNSEND and CREW LLP
STREET: Two Embarcadero Center, 8th Floor
CITY: San Francisco
US-08-630-172-22
US-09-375-419-22
US-08-026-1438-13
PCT-US9-10631-13
PCT-US9-02331-13
PCT-US9-02331-13
PCT-0S9-10631-13
PCT-0S9-10631-13
PCT-0S9-10631-13
US-09-53-216-5
US-09-349-627-5
US-09-349-627-5
US-09-352-096-7
US-08-51-190A-3
US-08-61-130S-3
US-09-01-30S-3
US-08-01-30S-3
US-08-01-13
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; Patent No. 5846723
; GENERAL INFORMATION:
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CORRESPONDENCE ADDRESS:
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US-08-770-565-10
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                                                                                                                                                          June 23, 2003, 04:53:08; Search time 23.4861 Seconds (without alignments) 195.867 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
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(Ggn2_6/ptodata/2/ina/5A_COMB.seq:*

(Ggn2_6/ptodata/2/ina/5B_COMB.seq:*

(Ggn2_6/ptodata/2/ina/6A_COMB.seq:*

(Ggn2_6/ptodata/2/ina/RECOMB.seq:*

(Ggn2_6/ptodata/2/ina/PCTUS_COMB.seq:*

(Ggn2_6/ptodata/2/ina/PCTUS_COMB.seq:*

(Ggn2_6/ptodata/2/ina/PCTUS_COMB.seq:*
                      GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.
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US-08-482-1158-23
US-08-710-249-25
US-08-710-249-26
US-08-485-778-19
US-08-472-802C-24
US-08-502C-24
US-08-502C-24
US-08-502C-24
US-08-502C-24
US-09-260-550A-19
US-09-260-553-23
US-09-260-577-28
US-09-280-577-28
US-08-770-565-8
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US-08-375-419-24
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PCT-US94-02107-3
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                                                                                                                nucleic search, using sw model
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Post-processing: Listing first 45 summaries
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Gapop_60.0 , Gapext 60.0
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Match Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Minimum DB seq length: 0 Maximum DB seq length: 50
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No.
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GENERAL INPORMATION:
APPLICANT: Villeponteau, Bryant
APPLICANT: Feng, Junii
APPLICANT: Feng, Junii
APPLICANT: Andrews, William H.
TITLE OF INVENTION: Assays for the RNA Component of Human
TITLE OF INVENTION: Telomerase
NUMBER OF SEQUENCES: 40
CORRESPONDENCE ADDRESS:
ADDRESSE: Townsend and Townsend and Crew LLP
                                                                                                                                      SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/330,123A
FILING DATE: 27-0CT-1994
CLASSIFICATION 1435
PROR APPLICATION NUMBER: US/08/272,102
APPLICATION NUMBER: US/08/272,102
FILING DATE: 07-JUL-1994
ATONNEY/AGENT INPOMBER: US/08/272,102
REGISTRATION NUMBER: 30,223
REFERENCE/DOCKET NUMBER: 15389-000810
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
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CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/482,115B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADDRESSEE: Townsend and Townsend and Crew LLP STREET: Two Embarcadero Center, Eighth Floor CITY: San Francisco STATE: California COUNTRY: USA ZIP: 94111-3834
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                UMBER: US/08/482,115B
07-JUN-1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/272,102
FILING DATE: 07-JUL-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/330,123
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-08-482-115B-23; Sequence 23, Application US/08482115B; Patent No. 5776679
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                                                       COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                  TELEPHONE: (415) 326-2400
TELEFAX: (415) 326-2422
INFORMATION FOR SEQ ID NO: 23:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
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nucleic acid
DEDNESS: single
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Best Local Similarity
Matches 15; Conserva
California
                                                                                                                          OPERATING SYSTEM:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       , MOLECULE TYPE:
US-08-330-123A-23
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       g
                                                                                                                                                                                                                                           APPLICANT: Kealey, James T.
APPLICANT: Pruzan, Ronald
APPLICANT: Weinrich, Scott L.
TITLE OF INVENTION: Methods for Detecting the RNA Component of
TITLE OF INVENTION: Telomerase
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ö
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Pred. No. 1.9;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 23, Application US/08330123A

Patent No. 5583016

GENERAL INFORMATION:
APPLICANT: VILLEPONTEAU, Bryant
APPLICANT: FUNK, Walter
APPLICANT: ANDREWS, William H.
TITLE OF INVENTION: HUMAN TELOWERASE
NUMBER OF SEQUENCES: 25
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend Townsend Khourie and Crew
STREET: 379 Lytton Avenue
CITY: Palo Alto
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SOFTWARE: Paterin Release #1.0, Version #1.30 CURRENT APPLICATION DATA: APPLICATION NUMBER: US/08/770,565 FILING DATE: 20-DEC-1996 CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                                                                                                       TOWNSEND and TOWNSEND and CREW
                                                                                                                                                                                                                                                                                                                                                                                                                  STREET: Two Embarcadero Center, 8th Floor
CITY: San Francisco
STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ATTORNEY/AGENT INFORMATION:
NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 015389-002300US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-576-0200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Mismatches
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COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                 Sequence 9, Application US/08770565
Patent No. 5846723
GENERAL INFORMATION:
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Best Local Similarity 100.
Matches 15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TELEFAX: 415-576-0300
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                    Kim, Nam Woo
Wu, Fred
                                                                                                                                                                                                                                                                                                                                                           NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
ADDRESSEE: TOWNSEND
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
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US-08-770-565-9
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                                                                                                                                                                                                                                                                                                                                                                                                                                                      GENERAL INFORMATION:
APPLICANT: Villeponteau, Bryant
APPLICANT: Feng, Juni
APPLICANT: Andrews, William H.
APPLICANT: Adams, Robert R.
TITLE OF INVENTION: Methods and Reagents for Regulating
TITLE OF INVENTION: Telomere Length and Telomerase Activity
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 15; DB 2; Length 26;
Pred. No. 1.9;
                                                               DB 2; Length 26;
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CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/110,249

FILING DATE: 13-SEP-1996

CLASSIPICATION: 536

PRIOR APPLICATION DATA:

APPLICATION WOBER: US 08/583,808

FILING DATE: 05-JAN-1996

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 06/03,492

FILING DATE: 06-SEP-1995

ATTORNEY/AGENT INFORMATION:

NAME: SLOCTELLA, UNMBER: 32,944

REGISTRATION NUMBER: 32,944

REFERRNCE/OCCKET NUMBER: 015389-001220US

TELECOMMUNICATION NUMBER: 015389-001220US
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADDRESSEE: Townsend and Townsend and Crew LLP STREET: Two Embarcadero Center, Eighth Floor STRTE: San Francisco STATE: California
                                                               100.0%; Score 15; DB; 100.0%; Pred. No. 1.9;
                                                                                                                           Mismatches
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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/NS-DOS
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Patent No. 5858777
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TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 26.
SEQUENCE CHARACTERISTICS:
LENGTH: 26 base pairs
                                                                                                                                                                                                                                               5 GCTCTAGAATGAACG 19
                                                  Query Match
Best Local Similarity 100.0
Matches 15; Conservative
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Best Local Similarity 100.
Matches 15; Conservative
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   US-08-660-678A-23
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US-08-710-249-26
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Pred. No. 1.9;
; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADDRESES: Townsend and Townsend and Crew LLP STREET: Two Embarcadero Center, Eighth Floor CITY: San Francisco STATE: California Colontry: USA ZIP: 94111-3834

ZUD: 94111-3834

ZUD: 94111-3834

COMPUTER READABLE FORM: MEDIUM TYPE: Floppy disk COMPUTER: IBM PC COMPATING SYSTEM: PC-DOS/MS-DOS OPFRATING SYSTEM: PC-DOS/MS-DOS OPFRATING SYSTEM: DATA: APPLICATION NUMBER: US/08/660,678A FILING APPLICATION NUMBER: US/08/660,678A FILING APPLICATION NUMBER: US/08/330,123 PRIOR APPLICATION NUM
                                                  NAWE: Storella, John R.
REGISTRATION NUMBER: 32,944
REPERENCE/DOCKET NUMBER: 015389-000830US
TELEPHONE: (415) 576-0200
TELEPHONE: (415) 576-0300
INFORMATION FOR SEQ ID NO: 23: SEQUENCE CHARACTERISTICS:
LENGTH: 26 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Villeponteau, Bryant
APPLICANT: Feng, Junii
APPLICANT: Funk, Walter
APPLICANT: Punk, Walter
APPLICANT: Andrews, William H.
TITLE OF INVENTION: Mammalian Telomerase
NUMBER OF SEQUENCES: 30
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 23, Application US/08660678A Patent No. 5837857
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity 100.0%;
Matches 15; Conservative 0
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TELEPAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 23:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 GCTCTAGAATGAACG 15
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LENGTH: 26 base pairs
                                                                                                                                                                                                                                                                                                                                 TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                ; TOPOLOGY: linear; MOLECULE TYPE: DNA US-08-482-115B-23
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FILING DATE:
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100.0%; Score 15; DB 2; Length 26;
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Two Militia Drive
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COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/520,550A
                COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/472,802C
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TITLE OF INVENTION: RNA Component of Telomerase
NUMBER OF SEQUENCES: 47
CORRESPONDENCE ADDRESS:
ADDRESSEE: Hamilton, Brook, Smith & Reynolds,
                                                                                                                                                                                                                                            CURRENT AFFILENTION DATE:
CURRENT AFFILENTION NUMBER: US/08/472,802C
FILING DATE: 07-UNN-1995
CLASSIFICATION 514
PRIOR AFFILENTION DATA:
APPLICATION NUMBER: US 08/272,102
FILING DATE: 07-UUL-1994
APPLICATION NUMBER: US 08/330,123
FILING DATE: 27-0CT-1994
ATTORNEY/AGENT INFORMATION:
NAME: Smith, william M.
REGISTRATION NUMBER: 30,223
REFERENCE/DOCKET NUMBER: 15389-000820
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
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29-AUG-1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 19, Application US/08520550A Patent No. 6013468
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      villon, Ariel A.
eng, Junli
unk, Walter
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TELEFAX: (415) 576-0300 INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Greider, Carol
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    LENGTH: 26 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        COUNTRY: US
ZIP: 02173
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   nucleic acid
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Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US-08-472-802C-24
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APPLICANT:
APPLICANT:
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APPLICANT:
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                                                                                                                                                                                                                                                                                                                             ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
STREET: Two Militia Drive
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COMPUTER:
COMPUTER:
COMPUTER:
COMPUTER:
COMPUTER:
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COMPUTER:
COMPUTER:
CURRENT APPLICATION DATA:
APPLICATION NUMBER:
CLIASIPICATION:
APPLICATION:
APPLICATION NUMBER:
COMPUTER:
APPLICATION NUMBER:
APPLICATION
                           APPLICANT: Avilion, Ariel Athena
APPLICANT: Feng, Junii
APPLICANT: Punk, Walter
APPLICANT: Greider, Carol
APPLICANT: Marhuenda, Maria Antonia Blasco
APPLICANT: Villeponteau, Bryant
TITLE OF INVENTION: RNA COMPONENT OF TELOMERASE
NUMBER OF SEQUENCES: 45
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            E: Townsend and Townsend and Crew LLP Two Embarcadero Center, Eighth Floor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NAME: Granahan, Patricia
REGISTRATION NUMBER: 32,227
REFERENCE/DOCKET NUMBER: CSHL94-05A4
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617-861-6240
INFORMATION FOR SEQ ID NO: 19:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: Villeponteau, Bryant
APPLICANT: Feng, Junli
APPLICANT: Andrews, William H.
TITLE OF INVENTION: Mammalian Telomerase
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 24, Application US/08472802C Patent No. 5958680 GENERAL INFORMATION:
Andrews, William H.
Avilion, Ariel Athena
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ilarity 100.0%;
Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       LENGTH: 26 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: Andrews, Wil
TITLE OF INVENTION: Man
NUMBER OF SEQUENCES: 44
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ZIP: 02173
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
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Best Local Similarity
Matches 15; Conserv
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TOPOLOGY:
US-08-485-778-19
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APPLICANT: Cech, Thomas R.
APPLICANT: Lingner, Joachim
APPLICANT: Lingner, Joachim
APPLICANT: Chapman, Karen B.
APPLICANT: Morin, Gregg B.
APPLICANT: Addrews, William H.
APPLICANT: Harley, Calvin B.
APPLICANT: Human Telomerase Catalytic Subunit
NUMBER OF SEQUENCES: 727
                                                                                                                                                                                                                                                                     Score 15; DB 3; Length 26;
Pred. No. 1.9;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/974,549A
FLING DATE: 19-NOV-1997
CLASSIFICATION S36
PRIOR APPLICATION NUMBER: US 08/724,643
FILING DATE: 01-OCT-1996
PRIOR APPLICATION NUMBER: US 08/844,419
FILING DATE: 18-APR-1997
PRIOR APPLICATION NUMBER: US 08/846,017
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/846,017
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/861,843
FILING DATE: 06-MAY-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/846,017
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/861,843
FILING DATE: 09-MAY-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/854,050
FILING DATE: US 09/971,312
APPLICATION NUMBER: US 08/911,312
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADDRESSEE: Townsend and Townsend and Crew LLP STREET: Two Embarcadero Center, Eighth Floor CITY: San Francisco STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            FILING DATE: 14-AUG-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/911,312
FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     FILING DATE: 14-AUG-1997
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 598, Application US/08974549A Patent No. 6166178
                               TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 23:
SEQUENCE CHARACTERISTICS:
LENGTH: 26 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                            100.0%;
               TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                   1 GCTCTAGAATGAACG 15
                                                                                                                                                                                                                                                                                                                                                                                                            GCTCTAGAATGAACG 19
                                                                                                                                                                                                                                                                        Query Match
Best Local Similarity 100.
Matches 15; Conservative
                                                                                                                                                                                      TOPOLOGY: linear; MOLECULE TYPE: DNA US-08-998-443-23
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ZIP: 94111-3834
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US-08-974-549A-598
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100.0%; Score 15; DB 3; Length 26;
Best Local Similarity 100.0%; Pred. No. 1.9;
Matches 15; Conservative 0; Mismatches 0; Indels
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APPLICATION NUMBER: US/08/998,443
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/387,524
FILING DATE: 13-FEB-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/330,123
FILING DATE: 27-OCT-1994
PRIOR APPLICATION NUMBER: US 08/272,102
FILING DATE: 07-JUL-1994
ATTORNEY/AGENT INFORMATION:
NAME: Granahan, Patricia
REGISTRATION NUMBER: CSHL94-05A3B
TELEPHONE: 617-861-9540
TELEPHONE: 617-861-9540
TELEPHONE: 617-861-9540
INFORMATION FOR SEQ ID NO: 19:
SEQUENCE CHARACTERISTICS:
LENGTH: 26 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 015389-000811US
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CLASSIPICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/660,678
FILING DATE: 05-UUN-1996
APPLICATION WUMBER: US 08/330,123
FILING DATE: 27-OCT-1994
PRIOR APPLICATION UNDER: US 08/272,102
FILING DATE: 07-UL-1994
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS
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Patent No. 6054575
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 GCTCTAGAATGAACG 15
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US-08-520-550A-19
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US-08-998-443-23
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GENERAL INFORMATION:
APPLICANT: Villeponteau, Bryant
APPLICANT: Feng, Junia
APPLICANT: Andrews, William H.
APPLICANT: Addrews, Tobert R.
TITLE OF INVENTION: Methods and Reagents for Regulating
TITLE OF INVENTION: Telomere Length and Telomerase Activity
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:
ADDRESSEE: TWO Embarcadero Center, Eighth Floor
                                                                                                                                                                                                                                                                                                                                                                                                                   Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SOFTWARE: Patentin Release #1.0, Version #1.30 CURRENT APPLICATION DATA: APPLICATION NUMBER: US/09/220,157A FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                015389-001220US
                                                                   015389-000813US
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PRIOR APPLICATION:
APPLICATION NUMBER: US/08/710,249
FILING DATE: 13-5EP-1996
APPLICATION NUMBER: US 08/583,808
FILING DATE: 05-0AN-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/003,492
FILING DATE: 08-5EP-1995
ATTOCNEY/AGBNT INFORMATION:
NAME: Storella, John R.
REGISTATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 015389-0012
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RESULT 13
US-09-220-157A-26
; Sequence 26, Application US/09220157A
; Patent No. 6300110
                   NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 0153
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEPHONE: (415) 576-0300
INFORMATION FOR SEQ ID NO: 23: SEQUENCE CHARACTERISTICS:
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Best Local Similarity 100.0%;

Matches 15; Conservative 0
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ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            5 GCTCTAGAATGAACG 19
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                                                                                                                                                                                                                              TYPE: nucleic acid
STRANDEDNESS: single
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EDNESS: single
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California
                                                                                                                                                                                                                                                                           TOPOLOGY: linear MOLECULE TYPE: DNA US-09-060-523-23
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STRANDEDNESS:
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Best Local Similarity 100.0%; Pred. No. 1.9;
Matches 15; Conservative 0; Mismatches 0; Indels
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STATE: California
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
COMPUTER: BATCHIN Release #1.0, Version #1.30
SOFTWARE: PATCHIN NATA:
APPLICATION NUMBER: US/09/060,523
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADDRESSEE: Townsend and Townsend and Crew LLP STREET: Two Embarcadero Center, Eighth Floor
                                                                                                                                                                                              NAME: APPLE RENDOLLOUS

REGISTRATION NUMBER: 36,429

REFERENCE/DOCKET NUMBER: 015389-002610US

TELECOMMUNICATION INFORMATION:
TELEFAX: (415) 576-0200

TELEFAX: (415) 576-0300

INFORMATION FOR SEQ ID NO: 598:
SEQUENCE CHARACTERISTICS:
LENGTH: 26 base pairs
TYPE: nucleic acid
STRANDENNES: single
                     FILING DATE: 14-AUG-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: WO PCT/US97/17618
FILING DATE: 01-OCT-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: WO PCT/US97/17885
FILING DATE: 01-OCT-1997
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: Feng, Junli
APPLICANT: Funk, Walter
APPLICANT: Andrews, William H.
TITLE OF INVENTION: Mammalian Telomerase
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ) NAWE/KEY: -
LOCATION: 1..26
) OTHER INFORMATION: /note= "R3c primer"
US-08-974-549A-598
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICATION NUMBER: US 08/660,678
FILING DATE: 05-JUN-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/330,123
FILING DATE: 27-OCT-1994
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/272,102
FILING DATE: 07-JUL-1994
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FILING DATE: 14-APR-1998
CLASSIFICATION:
APPLICATION NUMBER: US 08/915,503
FILING DATE: 14-AUG-1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 23, Application US/09060523
Patent No. 6258535
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         GENERAL INFORMATION:
APPLICANT: Villeponteau, Bryant
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CITY: San Francisco
enamp: California
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NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
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100.0%; Score 15; DB 4; Length 26; 100.0%; Pred. No. 1.9;
                                                                                       NAME: Smith, William M
REGISTRATION NUMBER: 30,233
REFERENCE/DOCKET NUMBER: 15389-000810
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 326-2400
TELEPHONE: (415) 326-2422
INFORMATION FOR SEQ ID NO: 23:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Mismatches
                                                                                                                                                                                                                                                                                                      ; TOPOLOGY: linear; bingle
; MOLECULE TYPE: DNA
; SEQUENCE DESCRIPTION: SEQ ID NO: 23:
US-09-580-517-23
                                APPLICATION NUMBER: 08/330,123
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Search completed: June 23, 2003, 10:17:07 Job time: 23.4861 seçs
                                                  FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
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                                                                                                                                                                                                                                                          LENGTH: 26 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
          PRIOR APPLICATION DATA:
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Best Local Similarity 100.
Matches 15; Conservative
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                                                                                     Score 15; DB 4; Length 26;
Pred. No. 1.9;
                                                                                                                                Indels
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MEDLUM TYBE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DAIR:
                                                                                                                                                                                                                                                                                                      Sequence 4. Application US/09286959B
Fatent No. 6300131
GENERAL INFORMATION:
APPLICANT: Johns Hopkins University
APPLICANT: Johns Hopkins University
APPLICANT: Johns Hopkins University
APPLICANT: Le. Siyuan
TITLE OF INVENTION: TELOMBERASE-ASSOCIATED PROTEINS
FILE REPERENCE: 07265/157001
CURRENT FILING DATE: 1999-04-06
FRIOR PILING DATE: 1998-04-06
FRIOR FILING DATE: 1998-04-06
NUMBER OF SEQ ID NOS: 24
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
100.0%; Score 15; DB 4;
Best Local Similarity 100.0%; Pred. No. 1.9;
Matches 15; Conservative 0; Mismatches 0;
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FILING DATE: 25-May-2000
CLASSIFICATION: <UNKNOWN>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   FENG, Junli
FUNK, Walter
ANDREWS, William H.
TITLE OF INVENTION: HUMAN TELOMERASE
NUMBER OF SEQUENCES: 25
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: VILLEPONTEAU, Bryant
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Patent No. 6320039
GENERAL INFORMATION:
                                                                                  Query Match
Best Local Similarity 100.0%;
Matches 15; Conservative 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ORGANISM: Artificial Sequence
                                                                                                                                                                                           5 GCTCTAGAATGAACG 19
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STATE: California
COUNTRY: US
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ; OTHER INFORMATION: Primer US-09-286-959B-4
; TOPOLOGY: linear; MOLECULE TYPE: DNA US-09-220-157A-26
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US-09-286-959B-4
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US-09-580-517-23
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Sense primer for h Human telomerase p CRT C-domain-green Human GPCR TDAG8(!

Human telomerase p Oligonucleotide us

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Murine Cdc25A intr C. difficile toxin Clostridium diffic

Novel recombinant HCMV IE-exon-4 sub

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Sense primer for h Novel human G prot

DNA associated wit RNA component of h

Human telomerase p ISA3 reverse prime

Sequence encoding Sequence encoding Rx 2.4 prorelaxin

Antisense oligonuc RNA component of h Human clone 28-1 t

Human telomerase-a Human telomerase (RNA component of h

Human telomerase

Human telomerase PCR primer for Hu Human telomerase

Human

Title: Perfect score:

Sequence:

nucleic

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Run on:

Scoring table:

Word size :

Database

Searched:

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RNA component; human telomerase; antisense oligonucleotide; infection; neuroblastoma; bladder cancer; colon cancer; prostate cancer; cancer; contraception; sterilisation; immunosuppression; therapeutic; hTR; immune system down-regulation; anti-inflammatory therapy; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  RNA component of human telomerase (hTR) antisense oligo 21ab3
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                                             AAA88250
ABK48024
AAD24246
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AAS09476
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AAT97049
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AAF57369
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AAQ43258
AAQ43257
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AAV41175
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AAT97047
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AAF87602
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AAS15929
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AAT49421
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96US-0770565
96US-0770564
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 Kealey JT, Kim NW,
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 Synthetic
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RNA component of h
RNA component of h
Human telomerase R
RNA component of h
RNA component of h
Primer for product
Human telomerase P
Human hTR gene RT-
Telomerase PCR pri
                                                                                                            June 22, 2003, 18:09:32 ; Search time 99.6813 Seconds (without alignments) 338.880 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               N Geneseq 101002:*

| SIDS2/gcgdata/geneseq/geneseqn-embl/NA1980.DAT:*
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              GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.
                                                                                                                                                                                                                                                                                                                                                                Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                   2185239 segs, 1125999159 residues
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                                                                             nucleic search, using sw model
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AAV41176
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Gapop_60.0 , Gapext 60.0
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Claim 11; Page 65; 80pp; English
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hes 15; Conservative
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                                                                                                                                                                                                                                                Synthetic.
                                                                                                                                                                                                AAV41176;
                                                                                                                                       Query Match
                                                                                                                                            Best Loca
Matches
                                                                                                                                                                               RESULT 2
                                                                                                                                                                                    AAV4117
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Sequences shown in AAV41169 to AAV41181 represent antisense

oligonucleotides to the RNA component of human telomerase (hTR). These
antisense oligonucleotides specifically hybridise to a nucleotide
sequence within an accessible region of the hTR, but that does not
hybridise to a sequence within the template region of hTR. These
component of human telomerase in a sample. This is useful for diagnosing
cancer (especially neuroblastoma, bladder, colon and prostate cancer),
and providing prognosis for a cancer patient. The inhibitory
cancer (especially neuroblastoma, bladder, colon and prostate cancer),
and providing prognosis for a cancer patient. The inhibitory
cancer (especially neuroblastoma, a cancer patient, The inhibitory
coligonucleotides can inhibit the telomerase activity level in a cell by
interfering with transcription of the RNA component, decreasing the
half-life of the telomerase RNA component transcript, inhibiting the
coll the kNA component into the telomerase holoenzyme, or inhibiting the
coll used for inhibiting telomerase activity in both cultured cells and in
cells in vivo. They can be used in therapeutics for treating or
cells in vivo. They can be used in therapeutics for treating or
cells in vivo. They can be used in therapeutics for treating or
immunosuppression, and for selectively down-regulating specific branches
cof the immune system, e.g. a specific subset of T-cells, in
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               of the immune system, e.g. a specific subset of T-cells, in anti-inflammatory therapies or for treating infections by, e.g. yeast,
                                     for treating cancers,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Telomerase, body fluid, cancer, tumour, screening, TRAP, diagnosis, telomeric repeat amplification protocol, detection, PCR primer, ss.
        - used for
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 19;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0; Indels
                            detecting or inhibiting human telomerase, e.g. for treat contraception, immuno-suppression or treating infection
New polynuclectide(s) anti:sense to human telomerase detecting or inhibiting human telomerase, e.g. for 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Strovel JW;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               100.0%; Score 15; DB 19;
100.0%; Pred. No. 9.5;
ative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human telomerase RNA template PCR primer R3C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 19 BP; 5 A; 3 C; 7 G; 4 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Stamberg J,
                                                                                                                          Claim 11; Page 65; 80pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (UYMA-) UNIV MARYLAND BALTIMORE.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        98US-0074793.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              GCTCTAGAATGAACG 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 GCTCTAGAATGAACG 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAZ08704 standard; DNA; 25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Highsmith E,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WPI; 1999-508655/42.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Local Similarity
es 15; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              parasites or fungi
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Homo sapiens
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               19-AUG-1999
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAZ08704;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       RESULT 3
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     g
                                                                                                                                                                                                                              conjugations to the RNA component of human telemerase (hTR). These antisense oligonucleotides specifically hybridise to a nucleotide sequence within an accessible region of the HTR, but that does not sequence within an accessible region of the RTR, but that does not oligonucleotides may specifically be used for detection of an RNA component of human telemerase in a sample. This is useful for diagnosing component of human telemerase in a sample. This is useful for diagnosing component of human telemerase and sample. The inhibitory of an providing prognosis for a cancer patient. The inhibitory of interfering with transcription of the RNA component, decreasing the half-life of the telemerase activity involubiting assembly of the RNA component into the telemerase activity, inhibiting the component into the telemerase activity in both cultured cells and in the the RNA component into the telemerase activity in both cultured cells and in the understand the component of the telemerase activity in both cultured cells and in the understand contraception or sterilisation, for preventing cancer, for contraception or sterilisation, for the immune system, e.g. a specific subset of T-calls, into interference of the immune system, e.g. a specific subset of T-calls, into interference of the immune system, e.g. a specific subset of T-calls, into interference of the immune of the the immune of the telemerase of the telemerase.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RNA component; human telomerase; antisense oligonuclectide; infection; neuroblastoma; bladder cancer; colon cancer; prostate cancer; cancer; contraception; sterilisation; immunosuppression; therapeutic; hTR; immune system down-regulation; anti-inflammatory therapy; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         inflammatory therapies or for treating infections by, e.g. yeast, sites or fungi.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gaps
                                             New polynucleotide(s) anti:sense to human telomerase - used for detecting or inhibiting human telomerase, e.g. for treating cancers, contraception, immuno-suppression or treating infection
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       100.0%; Score 15; DB 19; Length 15; 100.0%; Pred. No. 9.6;
                                                                                                                                                                                                                Sequences shown in AAV41169 to AAV41181 represent antisense
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0; Indels
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Detecting telomerase activity in non-cellular body fluid using modified telomeric repeat amplification protocol

ъ, Wu

Weinrich SL,

Pruzan R,

Disclosure, Page 16; 32pp; English.

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Gaps

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A method has been developed for detecting telomerase activity in a non-cellular portion of body fluid from a cancer patient using a non-cellular portion of body fluid from a cancer patient using a modified telomeric repeat amplification protocol (TRAP). A method for detecting cancer comprises: (a) removing the cellular portion of a body fluid remainder; (c) assaying the extract for the presence and quantity of telomerase RNA or telomerase activity; and (d) comparing the telomerase RNA or telomerase activity; and (d) comparing the methods are used in cancer diagnosis and prognosis; and also to monitor cancer therapy effectiveness. Unlike prior art telomerase activity assays in cancer patients, the method allows noninvasive sample collection. The methods which detect circulating tumour markers. The present than other methods which detect circulating tumour markers. The present content of the content and telomerase RNA template PCR primer used in
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                                                                                                                                                                                                                                                                                                                                                                               Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 The present sequence, a nested PCR primer for the RNA component of human telomerase (RCHT), was used in a 5' RACE procedure. The RCHT can be used in the recombinant prodn. of an active telomerase mol., capable of adding sequences to chromosomal DNA telomeres, and in the synthesis of mutant sequences for the detection of mutant
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         recombinant production; synthesis; mutant; detection; mammalian; identification; modulating agent; neoplastic condition; transcriptional regulatory sequence; gene therapy; disease;
                                                                                                                                                                                                                                                                                                                                                                               ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           RNA component of mammalian telomerase, esp. human - useful in identifying e.g. candidate telomerase-modulating agents
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      component; human; telomerase; polymerase chain reaction;
                                                                                                                                                                                                                                                                                                                                      100.0%; Score 15; DB 20; Length 25; 100.0%; Pred. No. 9.3; ive 0; Mismatches 0; Indel8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RNA component of human telomerase nested PCR primer R3c.
                                                                                                                                                                                                                                                                       exemplification of the present invention.
                                                                                                                                                                                                                                                                                                       Sequence 25 BP; 7 A; 3 C; 9 G; 6 T; 0 other;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Example 10; Page 82; 114pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Funk W,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAT10304 standard; DNA; 26 BP
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94US-0272102.
94US-0330123.
                                                                                                                                                                                                                                                                                                                                                                                                               1 GCTCTAGAATGAACG 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                   GCTCTAGAATGAACG 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         95WO-US08530
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                                                                                                                                                                                                                                                                                                                                                                            15; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WPI; 1996-097581/10
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                                                                                                                                                                                                                                                                                                                                                         Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (GERO-) GERON
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WO9601835-A1
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27-OCT-1994;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 10-SEP-1996
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAT10304;
                                                                                                                                                                                                                                                                                                                                          Query Match
                                                                                                                                                                                                                                                                                                                                                                            Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       RESULT 4
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The present sequence is a PCR primer for a RNA component of human telemase (RCHT), antiennse plasmid. RCHT was derived from a genomic DNA library obtd. from the human lung fibroblast cell line WI-38. The RCHT can be used in the recombinant prodn. of an active telomerase mol., capable of adding sequences to chromosomal DNA telomerase, and in the synthesis of mutant sequences for the detection of mutant mammalian telomerase RNA component polynucleotides. The RCHT may also be used in the identification of telomerase modulating agents, and in the detection of telomerase modulating agents, and in the detection of telomerase related, or neoplastic conditions in a patient. Polynucleotides of at least 25 consecutive nucleotides identical, or recomplementary to the RCHT sequence linked to heterologous transcriptional regulatory sequences, can be used for the gene therapy of human diseases.
                                                                                                                                                                                                                           Gaps
                 also be used in the identification of telomerase modulating agents, and in the detection of telomerase related, or neoplastic conditions in a patient. Polynucleotides of at least 25 sequence inclostides identical, or complementary to the RCHT sequence linked to heterologous transcriptional regulatory sequences, can be used for the gene therapy of human diseases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RNA component; human; telomerase; lung fibroblast; cell line WI-38;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            RNA component of human telomerase antisense plasmid PCR primer R3C.
 mammalian telomerase RNA component polynucleotides. The RCHT may
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   recombinant production; synthesis; mutant; detection; mammalian; identification; modulating agent; neoplastic condition; transcriptional regulatory sequence; gene therapy; disease; polymerase chain reaction; antisense plasmid; PCR primer; ss.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            RNA component of mammalian telomerase, esp. human - useful in identifying e.g. candidate telomerase-modulating agents
                                                                                                                                                                                100.0%; Score 15; DB 17; Length 26; 100.0%; Pred. No. 9.3;
                                                                                                                                                                                                                     0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Funk W, Villeponteau B;
                                                                                                                                                 Sequence 26 BP; 7 A; 3 C; 9 G; 7 T; 0 other;
                                                                                                                                                                                                                           0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Example 8; Page 80; 114pp; English
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94US-0272102.
94US-0330123.
95US-0472802.
                                                                                                                                                                                                                                                            1 GCTCTAGAATGAACG 15
                                                                                                                                                                                                                                                                                      5 GCTCTAGAATGAACG 19
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                                                                                                                                                                                                                           15; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (GERO-) GERON CORP.
                                                                                                                                                                                                       Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                   AAT10299;
                                                                                                                                                                                      Query Match
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AAT10299
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                                                                                                                   Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RNA components of (non)human mammalian telomerase(s) - useful in studying cell senescence and immortalisation
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Telomerase; mammal; antisense; triplex forming oligonucleotide; plasmid; probe; primer; ribozyme; ss.
                                                                                                                      ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Primer for production of telomerase antisense oligonucleotide.
                                                            DB 17; Length 26;
                                                                                                                0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Greider C;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAT11044 to produce two different antisense molecules.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 26 BP; 7 A; 3 C; 9 G; 7 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Funk W,
        Sequence 26 BP; 7 A; 3 C; 9 G; 7 T; 0 other;
                                                                                                                      Mismatches
                                                               Score 15;
Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Feng J,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Example 8; Page 53; 85pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COLD SPRING HARBOR LAB. GERON CORP.
                                                               Query Match 100.0%; S
Best Local Similarity 100.0%; P
Matches 15; Conservative 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Andrews WH, Avillon AA, Fen
Marhuenda MA, Villeponteau B;
                                                                                                                                                                                                                                                                                                                                                                       AAT11044 standard; DNA; 26 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               95US-0485778.
94US-0272102.
94US-0330123.
95US-0387524.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              95WO-US08620
                                                                                                                                                                            1 GCTCTAGAATGAACG 15
                                                                                                                                                                                                                                   GCTCTAGAATGAACG 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     02-JUL-1996 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WPI; 1996-097428/10.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               07-JUL-1994;
27-OCT-1994;
13-FEB-1995;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 07-JUL-1995;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        07-JUN-1995;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             25-JAN-1996
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                 AAT11044;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (GERO-)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (COLD-)
                                                                                                                                                                                                                                                                                                                      RESULT 6
                                                                                                                                                                                                                                                                                                                                                   AAT11044
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The present sequence represents PCR 3'-primer R3C used for amplifying the human telomerase (hTR). The RNA and DNA can be used in hybridisation assays to detect or quantify telomerase activity in cells, tissue or fluid samples, e.g. for diagnosis of eukaryotic parasites (yeast and protozoa) or tumours. It is also useful as primers for amplification assays. The truncated or recombinant vertebrate telomerase is used therapeutically to increase telomerase activity (also as reagents in the screening assay) while the RNA or other inhibitors such as antisense molecules, are used to reduce such activity. Typical applications are initiation/restoration of activity to cause senescence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         directed against e.g. Trypanosoma should cause fewer side effects than drugs currently used to treat such infections. The DNA encodes those parts of hTR RNA essential for activity but are significantly shorter than the endogenous RNA component.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     or to prevent immortalisation of cells in tumours or parasites. The DNA is also used to produce recombinant telomerase, which can then be used conventionally to raise antibodies for diagnostic detection of telomerase. Detecting telomerase allows early diagnosis of tumour or infection, before clinical signs manifest. Telomerase inhibitors
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            DNA encoding essential RNA components of human telomerase - also truncated or recombinant telomerase, useful for diagnosis and treatment of cancer and infection by eukaryotic parasites
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   .
0
                                                                                                                                                                                                                                                                                    Cancer; eukaryotic parasite; hTR; vertebrate telomerase; yeast; protozoa; tumour; antibody; polymerase chain reaction; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 26;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 26 BP; 7 A; 3 C; 9 G; 7 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Mismatches
                                                                                                                                                                                                                                                 Human telomerase PCR 3'-primer R3C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Example 5; Page 32; 48pp; English
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (COLD-) COLD SPRING HARBOR LAB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAV19489 standard; DNA; 26 BP
                                                                                                                         AAT58811 standard; DNA; 26 BP.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                96WO-US09517.
(first entry)
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Matches 15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Greider C;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WPI; 1997-099928/09.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              06-JUN-1996;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      07-JUN-1995;
                                                                                                                                                                                                                                                                                                                                                                                               WO9640868-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Autexier C,
                                                                                                                                                                                                             20-NOV-1997
                                                                                                                                                                                                                                                                                                                                                                                                                                       19-DEC-1996,
                                                                                                                                                                                                                                                                                                                                                          Synthetic.
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                                                                                                                                                                    AAT58811;
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AAV19489
ID AAV1
                                                                                                           AAT58811
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Query Match
Best Local Similarity 100.0%; Pred. No. 9.3;
Matches 15; Conservative 0; Mismatches 0;

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Gaps

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Indels

Length 26;

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131

us-08-770-564a-10.oligo.rng

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01-OCT-1997;
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                                                06-MAY-1997;
09-MAY-1997;
14-AUG-1997;
                                                                           14-AUG-1997
                                   18-APR-1997
                                          25-APR-1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAX90788;
                                                                                                                                                                                                                                                                                                                                                                        methods
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    RESULT 10
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                                                                                                                                                                                                                                                                                                                                                                                 ö
                                                                                                                                                                                                                                                                                                                                                                                Gaps
                                                                                                                                                                                                                            Human TPC2, TPC3 and TR genes - regulate telomere length or modulate
                                                                                                                                                                                                                                                                    Primers R3c and F3b (see AAV1948B) were designed for the PCR amplification of the human telomerase hTR gene (see AAV19481). hTR mRNA levels were showed to correlate with telomerase activity levels in a variety or mortal and immortal cell lines. Methods of the invention allow derection and quantitation of TPC2 (see AAV19479), TPC3 (see AAV19480) and/or TPC2 gene products and can be used to detect immortal cells, especially telomerase positive
                                                        gene; TPC2; TPC3; telomere length; telomerase; human; cancer;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human; telomerase reverse transcriptase; hTRT; TRT; diagnosis;
prognosis; cell proliferation; cancer; ageing; ribonucleoprotein;
                                                                                                                                                                                                                                                                                                                                                                                 ö
                                                                                                                                                                                                                                                                                                                                                                100.0%; Score 15; DB 19; Length 26; 100.0%; Pred. No. 9.3; tive 0; Mismatches 0; Indels
                                                                                                                                                                                            Villeponteau B;
                                                                                                                                                                                                                                                                                                                                                Sequence 26 BP; 7 A; 3 C; 9 G; 7 T; 0 other;
                                                                 gene therapy; diagnosis; PCR; primer; ss.
                                                                                                                                                                                                                                                     Disclosure; Page 49; 86pp; English.
                                        Human hTR gene RT-PCR primer R3c
                                                                                                                                                                                             Feng J,
                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAV17033 standard; DNA; 26 BP
                                                                                                                                            96WO-US14679
                                                                                                                                                                                                                                                                                                                                                                                                1 GCTCTAGAATGAACG 15
                                                                                                                                                           96WO-US14679
                                                                                                                                                                                                                                                                                                                                                                                                                 GCTCTAGAATGAACG 19
                        28-AUG-1998 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          13-AUG-1998 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Telomerase PCR primer R3c.
                                                                                                                                                                                                                                                                                                                                                                       Local Similarity 100.
                                                                                                                                                                                            Andrews WH,
                                                                                                                                                                                                            WPI; 1998-207373/18.
                                                                                                                                                                                                                                      telomerase activity
                                                                                                                                                                           (GERO-) GERON CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PCR primer, ss.
                                                                                                                                                                                                                                                                                                                                 cancer cells.
                                                                                                                                           13-SEP-1996;
                                                                                                                                                           13-SEP-1996;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Homo sapiens
                                                                                           Homo sapiens
                                                                                                          WO9811204-A1
                                                                                                                          19-MAR-1998.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    3B2317891-A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     08-APR-1998
                                                                                 Synthetic.
                                                                                                                                                                                            Adams RR,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAV17033;
        AAV19489;
                                                                                                                                                                                                                                                                                                                                                                 Query Match
                                                                                                                                                                                                                                                                                                                                                                                Matches
                                                        hTR
                                                                                                                                                                                                                                                                                                                                                                                                                                          RESULT 9
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The present sequence represents a PCR primer from the present invention which describes human telomerase reverse transcriptase (HTRT). The present invention also describes the following methods: (A) determining whether a test compound is a modulator of hTRT, by detecting the change in hTRT recombinant protein or polynucleotide, on administration of the compound; (B) preparation of recombinant telomerase Dy contacting a protein preparation of hTRT with a telomerase RNA component; (C) detection of the hTRT RNA or protein in a sample by binding a relevant protein preparation of hTRT with a telomerase RNA component; (C) detection, amplifying the product and correlating the presence of complex or amplifying the product with presence of hTRT in the sample; and (B) increasing the product with presence of hTRT in the sample; and (B) increasing the proliferation of a vertebrate cell by increasing coll vertebrate cell proliferation to create a medicament that inhibits ageing. A protein preparation of hTRT and the polynucleotide encoding hTRT can be used in the mannifacture of medicaments for inhibiting the effect of ageing or cancer. Inhibitors of telomerase activity can be used in the mannifacture of medicaments for inhibiting the methods.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Pure and recombinant human Telomerase Reverse Transcriptase and its variants - are useful in the diagnosis, prognosis and treatment of cell proliferation conditions especially cancer and ageing
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PCR primer; human telomerase RNA; hTR; amplify; human staufen cDNA; hStau; synthesised; random hexamer primer; Superscript II reverse transcriptase; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ö
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 26 BP; 7 A; 3 C; 9 G; 7 T; 0 other;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Example 2; Page 218; 387pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                Chapman KB,
Harley CB;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ВЪ.
                                                                                      9603-0724643.
9703-0844419.
9703-0846017.
9703-0851843.
9703-0911312.
9703-0911312.
                                                                                                                                                                                                                                                                                                                                                               (GERO-) GERON CORP.
(UYTE-) UNIV TECHNOLOGY CORP.
97GB-0020890
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                                                              97US-0915503
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 GCTCTAGAATGAACG 15
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Best Local Similarity 100.
                                                                                                                                                                                                                                                                                                                                                                                                                                                            Andrews WH, Cech TR,
Morin GB, Nakamura T,
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Gaps

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This sequence represents a PCR primer for DNA encoding the human TPC3 protein, which is contained within the recombinant mammalian host cell of the invention. The invention provides methods and reagents for regulating telomeral elength and modulating telomerase activity in mammalian cells as well as for detecting, diagnosing, and treating related diseases and conditions such as cancer, pregnancy, or fertility in humans and other
telomerase activity (cf. WO 9735871). This sequence represents a primer used in the method of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               DNA encoding proteins TPC2 and TPC3 - useful for regulating telomere length or modulating telomerase activity
                                                                                                                                                                                                                                                                                                                                                                                                       TPC2, TPC3, human; telomere length regulation; cancer; pregnancy; fertility; diagnosis; therapy; PCR primer; ss.
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                                                                                Length 26;
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                                                                                Score 15; DB 20;
Pred. No. 9.3;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Feng J, Villeponteau B;
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                                                 Sequence 26 BP; 7 A; 3 C; 9 G; 7 T; 0 other;
                                                                                                                  Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Example; Column 38; 59pp; English.
                                                                                100.0%; Sc
100.0%; Pr
:ive 0;
                                                                                                                                                                                                                                                                                                                                                                         PCR primer for Human TPC3 gene.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           95US-0003492.
96US-0583808.
96US-0710249.
                                                                                                                                                                           GCTCTAGAATGAACG 19
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                                                                                                                                                     1 GCTCTAGAATGAACG 15
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                                                                                                                                                                                                                                                                       AAX01542 standard; DNA; 26
                                                                                                                                                                                                                                                                                                                                         (first entry)
                                                                         Query Match
Best Local Similarity 100.0
Marches 15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Adams RR, Andrews WH,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (GERO-) GERON CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Homo sapiens.
                                                                                                                                                                                                                                                                                                                                         29-APR-1999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              13-SEP-1996;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               08-SEP-1995;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                05-JAN-1996;
13-SEP-1996;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US5858777-A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            12-JAN-1999
                                                                                                                                                                                                                                                                                                                                                                                                                                                          Synthetic
                                                                                                                                                                                                                                                                                                          AAX01542;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
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Matches
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                                                                                                                                                                                                                                     RESULT 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAA88250
ID AAA8
                                                                                                                                                                                                                                                         AAX01542
ID AAX0
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                                                                                                                                                                                                                                                                                                                                         The present sequence is a PCR primer specific to human telomerase RNA (hTR). It is used to amplify human staufen (hStau) cDNA synthesised using random hexamer primers and Superscript II reverse transcriptase.
                                                                                                                                                                                                                                       Human staufen polypeptide useful in methods for identifying telomerase inhibitors
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Detecting telomerase RNA in urine - useful for diagnosis of bladder
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Telomerase; human; diagnosis; bladder cancer; detection; urine;
PCR primer; ss.
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                                                                                                                                                      (UYJO ) UNIV JOHNS HOPKINS SCHOOL MEDICINE.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Human telomerase RNA PCR primer TE-hTR3.1.
                                                                                                                                                                                                                                                                                                          Disclosure; Page 15; 50pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                               100.08;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (HOFF ) ROCHE DIAGNOSTICS GMBH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AAX77402 standard; DNA; 26 BP
                                                                                    99WO-US07533.
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Matches 15, Conservative
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Homo sapiens.
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                   WO9951255-A1
                                                                                  06-APR-1999;
                                                                                                                     06-APR-1998;
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                                                  14-OCT-1999.
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                                                                                                                                                                                        Greider CW,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Emrich T;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAX77402;
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Gaps

Human; telomerase-associated RNA template; hTR; endometrial; malignancy; cancer; breast; ovarian; head and neck; lung; cervical; colorectal; gastric; liver; pancreatic; bladder; prostate; brain; kidney; oesophagus; melanoma; sarcoma; premalignancy; carcinoma in-situ; cervical dysplasia; bronchial dysplasia; cervical intraepithelial neoplasia; atypical hyperplasia; colorectal adenoma; atypical endometrial hyperplasia; barrett's oesophagus; telomerase-directed therapy; primer; ss.

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The present invention describes a method (I) for detecting telomerase activity in a sample. The method comprises treating the sample with a solid phase to bind telomerase, separating the solid phase from the sample to form a test sample which may be treated to elute bound telomerase and assaying the sample for telomerase activity. Also described are: (I) a kit (II) for detecting telomerase activity, and (2) a component (III) of an assay system for telomerase activity; and (2) a component (III) of an assay system for detecting telomerase activity, comprising a solid phase for binding telomerase activity, comprising a solid phase for binding (I) is useful for cancer diagnosis or prognosis and detection of micrometastasis as detection of telomerase activity is indicative of cancer or micrometastasis. The solid phase used in (I) is useful for separating telomerase from a sample and therefore for detecting telomerase from a sample and therefore for detecting telomerase from a sample and therefore for detecting
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            telomerase activity. (11) is userui in constitution for cancer, may also comprises means for assaying an mRNA diagnostic for cancer, may also comprises (RT) PCR primer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Detecting telomerase activity in samples, useful for diagnosis of cancer and micrometastasis, comprises treating sample with solid phase, removing solid phase and treating to elute bound telomerase
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  present sequence represents a reverse transcriptase (RT) PCR prime. human telomerase RNA, which is used in an example from the present
                                                                                                                                          Human; telomerase; hTR; reverse transcriptase; RT-PCR; PCR primer; detection; cancer; micrometastasis; diagnosis; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         100.0%; Score 15; DB 21; Length 26; 100.0%; Pred. No. 9.3; cive 0; Mismatches 0; Indels
                                                                                                  Human telomerase RNA reverse transcriptase PCR primer #2.
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Matches 15; Conservative 0
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                                                           (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Larsen F, Skaanseng M;
                                                                                                                                                                                                                                                                                                                                                                                                                                 (SKAA/) SKAANSENG M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WPI; 2000-491281/43.
                                                                                                                                                                                                                                                                                                                                                                                                              (LARS/) LARSEN F.
                                                                                                                                                                                                                                            WO200046601-A1.
                                                                                                                                                                                                                                                                                                                                                                   02-FEB-1999;
                                                         15-DEC-2000
                                                                                                                                                                                                        Homo sapiens.
                                                                                                                                                                                                                                                                                     10-AUG-2000
                     AAA88250;
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Detecting human telomerase RNA template RNA or human telomerase reverse transcriptase protein RNA in bodily fluid, useful as marker for diagnosing, monitoring or treating cancer, carcinoma in situ or premalignancy -

31-AUG-2000; 2000US-0653573. 28-AUG-2001; 2001WO-US26749.

WO200218652-A2 Homo sapiens.

07-MAR-2002.

(ONCO-) ONCOMEDX INC.

Gocke CD;

Kopreski MS,

WPI; 2002-269532/31.

The invention relates to detecting human telomerase RNA template (hTR)

Example 1; Page 14; 30pp; English.

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The invention relates to detecting inman relomerase kna template (INTR) in a invention relates to detecting inman relomerase reverse transcriptase protein RNA (hTDRT) RNA (In a bodily fluid, comprising amplifying RNA extracted from plasma or serum sample, or its corresponding CNA comprising fluid, which is useful for grantitatively amplified produce of (1) or CNA product. The method is useful for detecting (1) in a bodily fluid, which is useful for useful for detecting (1) in a bodily fluid, which is useful for detecting (1) in a bodily fluid, which is useful for detecting (1) in a bodily fluid, which is useful for detecting (1) in a bodily fluid, which is useful for detecting (1) in a bodily fluid, which is useful for carcinomy preferably a corrier, bladder, include a malignancy preferably a corrier, producted a malignancy or carcinoma in-situ, preferably cervical correct and increptibelial neoplasia, bronchial dysplasia, asyrpical apprepaisa of the breast, ductal carcinoma in-situ, caypical adenoma, atypical endometrial hyperplasia, or Barrett's colorectal adenoma of the breast, ductal carcinoma in-situ. The method is also useful for treating a human for the therapy after detection of (1), for determining a carcinoma in situ. The method is also useful for treating a therapy administered to a human (1) provides and for monitoring a therapy administered to a human (1) provides and for monitoring a therapy administered to a human (1) provides a lowed for fluitheit welly, of (1) in plasma or serum of humans during or following surgical procedures to remove premalignant or malignant or malignant allows the development and completed therapy as an each of the cape or treatment failure. T
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Gaps

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Sequence 26 BP; 7 A; 3 C; 9 G; 7 T; 0 other;

Human telomerase-associated RNA template (hTR), PCR primer hTR2.

(first entry)

18-JUN-2002

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ABK48024;

ABK48024 standard; DNA; 26 BP.

GCTCTAGAATGAACG 19

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Peptide products of the human TPC2 and TPC3 gene are involved in regulation of telomere length and activity are useful to diagnose and treat telomere length and activity-related diseases -
                                                         Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Human; telomerase; TR; telomerase activity-related disease; therapy; cancer; pregnancy; fertility; RT-PCR primer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                    Human telomerase (hTR) cDNA amplifying R3c downstream RT-PCR primer
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  100.0%; Score 15; DB 24; Length 26; 100.0%; Pred. No. 9.3;
                                                    0; . Indels
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                                                    0; Mismatches
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96US-0710249.
96US-0583808.
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Best Local Similarity 100.0%
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                                                      Conservative
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Query Match
Best Local Similarity
Matches 15; Conserv
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13-SEP-1996;
05-JAN-1996;
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Gaps

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1 GCTCTAGAATGAACG 15

ð d Search completed: June 23, 2003, 05:43:39 Job time : 100.989 secs

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GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.
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June 23, 2003, 01:05:28; Search time 174.442 Seconds (without alignments) 2502.502 Million cell updates/sec
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OM nucleic - nucleic search, using sw model
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Gapop_60.0 , Gapext 60.0
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15
1 GCTCTAGAATGAACG 15
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score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

ion	AR063834 Sequence AR063833 Sequence A99988 Sequence 2 AR016055 Sequence AR028786 Sequence AR05275 Sequence AR07527 Sequence AR07527 Sequence AR03377 Sequence AX033377 Sequence AX468455 Sequence BD011297 Human tel B31046 Human tel	Sequence 150 Sequence 132 Sequence 132 Sequence 193 Sequence 193 Sequence 137 Sequence 135 Sequence 136 Sequence 137 Sequence 137 Sequence 138 Sequence 138 Sequence 139 Sequence 139 Sequence 130 Sequence 130 Sequence 131 Sequence 132 Sequence 133 Sequence 134 Sequence 135 Sequence 136 Sequence 137 Sequence 138 Sequence	BES0834 Novel G pro AR06385 Sequence AR244257 Sequence AR19317 Sequence AR082540 Sequence AR370555 Sequence AR37055 Sequence AR17055 Sequence AR17955 Sequence AR179447 Sequence AR179447 Sequence AR175102 Sequence	linear PAT 29-SEP-1999 .
ВІО	ARO63834 ARO63833 ARO63838 ARO16055 ARO16055 ARO28796 ARO29216 ARO22187 AXO33377 AX68455 BD011297 B36508	6 I31770 6 AR053832 6 AR053832 6 AR053832 6 AR053832 6 AR053832 6 AR053832 6 AR079893 6 AR07011244 6 AR089957 6 AR169136 6 AR169136		15 bp DNA 142 142 6ealey,J.T., Pruzan,R 19 the RNA component 10 08-DEC-1998;
* Query Match Length DB	113 0000 0000 0000 0000 0000 0000 0000	00000000000000000000000000000000000000	0.00 3.00	63834 63834 Gro 63834 GI: 63834.1 GI: nown. hown. (bases I to Nowo., Wu, Nowo., Wu, hods for det hods for det hods for det Locati
Result No. Score	12848978901284	15 16 17 18 19 19 20 20 20 20 20 20 20 30 30 30 30 30 30 30 30 30 30 30 30 30	ፋ ኒየ ለ ৮ ፡፡ ወ ዕ ዕ ነ ነ ነ ነ ነ ነ ነ ነ ነ ነ ነ ነ ነ ነ ነ ነ ነ	RESULT 1 AR06.8834 LOCUS DEFINITION SEG ACCESSION AR0 VEXWORDS SOURCE UNK CRYWORDS ORGANISM UNK REFRENCE 1 AUTHORS KIM TITLE JOURNAL PAL

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PAT 29-SEP-1999
                                      PAT 05-DEC-1998
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Unclassified.

1 (bases 1 to 26)

Villeponteau, B., Feng, J., Andrews, W.H. and Adams, R.R.
Methods and reagents for regulating telomere length and telomerase activity
Patent: US 5858777-A 26 12-JAN-1999;
                                                                                                                                                                                                                                                                                                    Gaps
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                                                                                                                                       Villeponteau, B., Feng, J., Funk, W. and Andrews, W.H. Assays for the DNA component of human telomerase Patent: US 5776679-A 23 07-UUL-1998; Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Unknown:
Unclassified.
1 (Basses 1 to 26)
Villeponteau, B., Feng, J., Funk, W. and Andrews, W.H.
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red. No. 52;
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ive 0; Mismatches
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t
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Sequence 26 from patent US 5858777.
AR028786.1 GI:5940759
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Sequence 23 from patent US 5837857.
AR059216.1 GI:5984793
                                      AR016055 26 bp 1
Seguence 23 from patent US 5776679.
AR016055
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Pred. No.
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unclassified.
unclassified.
l (bases) to 26)
Emrich.T.D.
Method for detection of carcinoma of the urinary bladder within a urine sample
Patent: EP 0926245-A 2 30-JUN-1999;
ROCHE DIAGNOSTICS GMBH (DE)
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Unclassified.
Unclassified.
I (bases I to 19)
Kim, N. Woo., Wu.F., Kealey, J.T., Fruzan, R. and Weinrich, S.L.
Methods for detecting the RNA component of telomerase
Patent: US 5846723-A 9 08-DEC-1998;
Location/Qualifiers
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100.0%; Score 15; DB 6; Length 15;
Best Local Similarity 100.0%; Pred. No. 55;
Matches 15; Conservative 0; Mismatches 0; Indels
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Pred. No. 54;
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AR063833
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/organism="unidentified"
/db_xref="taxon:32644"
a 3 c 9 g
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Sequence 2 from Patent BP0926245.
A94988.1 GI:6779168
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/organism="unknown"
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AR063833
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Andrews,W.H., Villeponteau,B., Adams,R.R. and Feng,J.
Methods and reagents for regulating telomere length and telomerase
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M synthetic construct
artificial sequences.

1 (bases 1 to 26)
Larsen,F. and Skaanseng,M.
Detecting telomerase activity
Patent: WO 0046601-A 9 10-AUG-2000;
LARSEN FRANK (NO); SKAANSENG MARIANNE (NO)
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/db_xref="taxon:32630"
/note="PCR primer"
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Patent: EP 0953042-A 26 03-NOV-1999;
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/organism="unidentified"
/db_xref="taxon:32644"
a 3 c 9 g 7
                                                        AX022187 26 bp
Sequence 26 from Patent EP0953042.
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Sequence 9 from Patent WO0046601.
AX033377
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Sequence 5 from Patent WO0218652.
AX468455 GI:21901291
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Unclassified.
1 (bases 1 to 26)
Villeponteau, B., Feng, J., Funk, W. and Andrews, W.H.
Mammalian telomerase
Patent: US 6258535.A 23 10-JUL-2001;
                                                                                                                                                                                                                                                                                                                                             Unknown.
Unclassified.
I (bases 1 to 26)
Villeponteau, B., Feng, J., Funk, W. and Andrews, W.H.
Mammalian telomerase
Patent: US 5958680-A 24 28-SEP-1999;
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Mammalian telomerase
Patent: US 5837857-A 23 17-NOV-1998;
Location/Qualifiers
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Sequence 24 from patent US 5958680.
AR075527
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Sequence 23 from patent US 6258535.
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AR161925.1 GI:16228953
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Thomas, R.S., Jochimu, R., Toru, N., Karen, B.C., Greg, B.M., Calvin, B.H. and William, H.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                        Thomas, E.
Method for detecting bladder cancer in urine samples
Method for detecting bladder cancer in urine samples
Patent: JP 19924395-A 2 14-SEP-1999;
ROGHED DIAGNOSTICS GMBH
OS Artificial Sequence
PN JP 19924395-A/2
PD 19924395-A/2
PD 14-SEP-1999
PF 22-DEC-1998 JP 1998365689
PR 22-DEC-1997 DE 19757300:2
PI THOMAS ENRIH
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Location/Qualifiers
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PN JP 199253177-A/254
PN JP 199253177-A/254
PF 15-OCT-1998 JP 1998320169
PR 01-OCT-1996 US 08/724, 643, 18-APR-1997
25-APR-1997 US 08/844,017,06-MAY-1997 US
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Human telomerase catalytic subunit promoter.
E37046
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Patent: JP 1999253177-A 254 21-SEP-1999;
JERON CORP, UNIVERSITY TECHNOLOGY CORP
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    .26
    /organism="synthetic construct"
    /db_xref="taxon:32630"

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    Pred. No. 52;
                             Mismatches
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artificial sequences.
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AGIK38/00,AGIK31/7088,AGIK39/00,AGIK48/00,AGIP35/00,AGIP43/00,
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C07KS/107,C07KS/117,C07K7/06,C07K7/08,C07K16/40,C12N9/12, PC
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                                               Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
                                                                                                                       Kopreski, M.S. and Gocke, C.D.
Method for detection of htr and htert telomerase-associated rna
plasma or serum
Patent: WO 0218652-A 5 07-MAR-2002;
Oncomedx, Inc. (US)
Location/Qualifiers
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Sechi, T.R., Lingner, J., Nakamura, T., Chapman, K.B., Mori, G.B.,
Harley, C.B. and Andrews, W.H.
Hunnan telomearse catalytic subunit
Patent: JP 2001081042-A 254 27-MAR-2001;
GERON CORP, UNIVERSITY TECHNOLOGY CORP
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PF 27-UUL-2000 JP 2000227474
PF 27-UUL-2000 JP 2002227474
PF 01-OCT-1996 US 08/72463,18-APR-1997 US 08/851843 PR 09-MAY-1997 US 08/8546017,06-MAY-1997 US 08/91312 PR 09-MAY-1997 US 08/91312 PR 09-MAY-1997 US 08/91291,14-MG-1997 US 08/91253,14-AUG-1997 US 08/91253,14-AUG-1997 US 08/91253,14-AUG-1997 US 08/91291,14-AUG-1997 US 
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/db_xref="taxon:32644"
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/db_xref="taxon:9606"
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CALVIN B HAREI,WILLIAM H ANDREWS
CI2N15/09,A61K31/70,A61K38/55,A61K39/395,A61K39/395,A61K48/00,
C12Q1/02,
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C07K16/40,
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14-AUG-1997 US 08/912.951,14-AUG-1997 US 08/915.503 PI
R SECHI, JOCHIMU RINGNER, TORU NAKAMURA, KAREN B CHAPMAN, PI
MORIN,
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Best Local Similarity 100.0%; Pred. No. 52;
Matches 15; Conservative 0; Mismatches 0; Indels
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Villeponteau, B., Feng, J., Funk, W. and Andrews, W.H.
Mammalian telomerase
Patent: US 5583016-A 23 10-DEC-1996;
Location/Qualifiers
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/organism='Unidentified'.
Location/Qualifiers
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Search completed: June 23, 2003, 06:34:21 Job time : 175.904 secs

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Perfect score:

Sequence:

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Sequence 6866, Ap
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Sequence 115885,
Sequence 137579,
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Sequence 612342,
Sequence 11, Appl
Sequence 13, Appl
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Sequence 924166,
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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/721,456
FILING DATE: 22-Nov-2000
CLASSIFICATION: AUNknown>
PRIOR APPLICATION: AUNknown>
PRIOR APPLICATION NUMBER: US/08/974,549A
FILING DATE: 19-NOV-1997
APPLICATION NUMBER: US 08/844,419
FILING DATE: 10-OCT-1966
APPLICATION NUMBER: US 08/844,419
FILING DATE: 18-APR-1997
APPLICATION NUMBER: US 08/846,017
FILING DATE: 25-APR-1997
APPLICATION NUMBER: US 08/846,017
FILING DATE: 25-APR-1997
APPLICATION NUMBER: US 08/846,017
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US-10-355-577-396066
US-10-355-577-96066
US-60-427-808-62369
US-60-427-808-104137
US-60-427-808-113579
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PELLING DATE: 00 08/854,050
FILING DATE: 09-MAY-1997
APPLICATION NUMBER: US 08/911,312
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STATE: California
COUNTRY: USA
     US-09-721-456-543
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     Sequence 543, App
Sequence 27, App
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Sequence 539, App
Sequence 547, App
Sequence 547, App
Sequence 551, App
Sequence 555, App
Sequence 559, App
Sequence 527, Appl
Sequence 520, Appl
Sequence 54, Appl
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Sequence 521, App
Sequence 36216, A
Sequence 5, Appli
Sequence 66031, A
Sequence 393144,
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                       GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.
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US-10-355-577-393144
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US-10-188-5238-5
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PCT-US03-04088-521
US-10-310-188-36216
                                                                                                                                                                                                                                                                                                                                                                       rotal number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                                      7860393 seqs, 3496198572 residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SUMMARIES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
                                                                                            - nucleic search, using sw model
                                                                                                                                                                                                                                                                                IDENTITY_NUC
Gapop 10.0 , Gapext 1.0
                                                                                                                                                                                                     US-08-770-564A-11
11
1 GCTCTAGAATG 11
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Match Length
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Result Š.

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Gaps
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TITLE OF INVENTION: METHOD FOR THE RECOMBINATION OF GENETIC ELEMENTS
FILE REFERENCE: CLI194 PCT
CURRENT APPLICATION NUMBER: PCT/US03/05708
CURRENT FILING DATE: 2003-02-26
PRIOR APPLICATION NUMBER: 60/360,279
PRIOR PLING DATE: 2002-02-26
NUMBER OF SEQ ID NOS: 2003
SOFTWARE: Patentin version 3.2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      .;
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OTHER INFORMATION: /note= "antisense hTRT molecule"
SEQUENCE DESCRIPTION: SEQ ID NO: 543:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 21;
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                                                                                                                                                                                                                                                                                                                                                                                 REFERENCE/DOCKET NUMBER: 015389-002620US TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
100.0%; Score 11; DB 9; I
Best Local Similarity 100.0%; Pred. No. 5.3e+03;
Matches 11; Conservative 0; Mismatches 0;
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100.0%; Pred. No. 5.3e+03;
                                                                                                                                                                                  FILING DATE: 14-AUG-1997
APPLICATION NUMBER: US 08/915,503
FILING DATE: 14-AUG-1997
APPLICATION NUMBER: WO PCT/US97/17885
FILING DATE: 01-OCT-1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Mismatches
                                                                                         FILING DATE: 09-MAY-1997
APPLICATION NUMBER: US 08/911,312
FILING DATE: 14-AUG-1997
                   APPLICATION NUMBER: US 08/851,843
FILING DATE: 06-MAY-1997
                                                                  APPLICATION NUMBER: US 08/854,050
                                                                                                                                                                 APPLICATION NUMBER: US 08/912,951
                                                                                                                                                                                                                                                                                                                                                             REGISTRATION NUMBER: 42,271
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 27, Application PC/TUS0305708 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                       NAME: Ausenhus, Scott L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ö
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              LENGTH: 18 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ; FEATURE:
; OTHER INFORMATION: Primer 18-5'
PCT-US03-05708-27
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ID NO: 543
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: DNA ORGANISM: Artificial Sequence
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match 100.
Best Local Similarity 100.
Matches 11; Conservative
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PCT-US03-05708-27
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LENGTH: 21
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; OTHER INFORMATION: /note= "antisense hTRT molecule"
; SEQUENCE DESCRIPTION: SEQ ID NO: 543;
US-09-721-456-543
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Morin, Gregg B.
Harley, Calvin B.
Andrews, William H.
TITLE OF INVENTION: Human Telomerase Catalytic Subunit
NUMBER OF SEQUENCES: 633
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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPOTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/325,810
FILING DATE: 20-Dec-2002
CLASSIFICATION: <UNKnown>
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              100.0%; Score 11; DB 6; Length 18; 100.0%; Pred. No. 5.3e+03;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADDRESSEE: Townsend and Townsend and Crew LLP STREET: Two Embarcadero Center, Eighth Floor CITY: San Francisco
                                                                                                                                                              NAME: Apple, Randolph Ted
REGISTRATION NUMBER: 36,429
REFRENCE/DOCKET NUMBER: 015389-002610US
TELECOMMUNICATION INFORMATION:
                 PILING DATE: 14-AUG-1997
APPLICATION NUMBER: WO PCT/US97/17618
FILING DATE: 01-OCT-1997
APPLICATION NUMBER: WO PCT/US97/17885
FILING DATE: 01-OCT-1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0; Mismatches
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APPLICATION NUMBER: US 08/724,643
FILING DATE: 01-OCT-1996
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APPLICATION NUMBER: US 08/915,503
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 543, Application US/10325810 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                   (415) 576-0300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: Cech, Thomas R.
Lingner, Joachim
Nakamura, Toru
Chapman, Karen B.
                                                                                                                 FILING DATE: 01-OCT-19
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                             LENGTH: 18 base pairs
                                                                                                                                                                                                                                                                                                         INFORMATION FOR SEQ ID NO: 543:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                   TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                 (415)
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ZIP: 94111-3834
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Best Local Similarity
Matches 11; Conserva'
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Query Match
Best Local Similarity
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FOCT-USO3-04088-539/c

SEQUENCE 539, Application PC/TUSO304088

GENERAL INFORMATION:

APPLICANT: Ribozyme Pharmaccuticals, Inc.

APPLICANT: Beigelman, Leonie Beigelman, Leonie Beigelman, Leonie Using Short Interfering RNA (sinA)

TITLE OF INVERTION: RNA Interference Mediated Inhibition of Telomerase Gene

TITLE OF INVERTION: Expression Using Short Interfering RNA (sinA)

TITLE OF INVERTION: Expression Using Short Interfering RNA (sinA)

FILE REFERENCE: 20-709-A (4000/800)

CURRENT APPLICATION NUMBER: US 60/396,600

PRIOR PILING DATE: 2002-03-11

PRIOR PILING DATE: 2002-03-11

PRIOR PILING DATE: 2002-03-11

PRIOR PILING DATE: 2002-03-11

PRIOR APPLICATION NUMBER: US 60/406,784

PRIOR PILING DATE: 2002-09-05

PRIOR PILING DATE: 2003-09-05

PRIOR
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
                                                                                                                                                            Sequence 202, Application PC/TUS0305708
GENERAL INFORMATION:
APPLICANT: E.I. DuFONT de Nemours and Company, Inc.
TITLE OF INVENTION: METHOD FOR THE RECOMBINATION OF GENETIC ELEMENTS
FILE REPERENCE: CL1794 PCT
CURRENT APPLICATION NUMBER: PCT/US03/05708
CURRENT APPLICATION NUMBER: PCT/US03/05708
PRIOR APPLICATION NUMBER: 2003-02-26
RIOR RILING DATE: 2002-02-26
NUMBER OF SEQ ID NOS: 203
SOFTWARE: PatentIn version 3.2
SOFTWARE: PatentIn version 3.2
LENGTH: 21
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Pred. No. 5.3e+03;
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; LOCATION: (20)...(21)
; OTHER INFORMATION: n stands for thymidine
;PCT-US03-04088-539
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ORGANISM: Rhodosporidium glutinis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
100.0%;
Best Local Similarity 100.0%;
Matches 11; Conservative 0
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       3 GCTCTAGAATG 13
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PCT-US03-05708-202
                                                                                                                                      PCT-US03-05708-202
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: DNA
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PAPLICANTI BESIGNARY: 
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APPLICANT: Riboryme Pharmaceuticals, Inc.
APPLICANT: McSwiggen, James
APPLICANT: Beigelman, Leonidateuticals, Inc.
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase Gene
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase Gene
TITLE OF INVENTION: Expression Using Short Interfering RNA (siNA)
FILE REPERBENCE: 02-708-A (400/080)
CURRENT APPLICATION NUMBER: PCT/USO3/04088
FRIOR APPLICATION NUMBER: US 60/396,600
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         Length 21;
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100.0%; Score 11; DB 1; I 100.0%; Pred. No. 5.3e+03;
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OTHER INFORMATION: n stands for thymidine
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: McSwiggen, James
APPLICANT: Beigelman, Leonid
                                                                                                                                                                                                                                                                                                                                                                                                                               PCT-US03-04088-543
; Sequence 543, Application PC/TUS0304088
; GENERAL INFORMATION:
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                                                                                           Conservative
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ORGANISM: Artificial
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nes 8; Conserv
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PCT-US03-04088-555/c
; Sequence 555, Application PC/TUS0304088
; Sequence 555, Application:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: McSwiggen, James
; APPLICANT: Beigelman, Leonid
; ITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase Gene
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase Gene
TITLE OF INVENTION: Expression Using Short Interfering RNA (siNA)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       LOCATION: (20)...(20)
OTHER INFORMATION: Phosphorothioate 3'-Internucleotide Linkage
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 11; DB 1; Length 21;
Pred. No. 5.38+03;
3; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: RNA
ORGANISM: Artificial
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence:
OTHER INFORMATION: antisense region
                                        TITLE REPERENCE: 02-708-A (400/080)
CURRENT APPLICATION NUMBER: PCT/US03/04088
CURRENT FILING DATE: 2003-04-28
PRIOR PAPLICATION NUMBER: US 60/396,600
PRIOR PILING DATE: 2002-07-17
PRIOR PILING DATE: 2002-07-17
PRIOR APPLICATION NUMBER: US 60/386,580
PRIOR FILING DATE: 2002-03-11
PRIOR APPLICATION NUMBER: US 60/363,124
PRIOR PILING DATE: 2002-03-11
PRIOR PELING DATE: 2002-03-11
PRIOR PELING DATE: 2002-03-11
PRIOR PELING DATE: 2002-03-18
PRIOR PELING DATE: 2002-03-18
PRIOR PELING DATE: 2002-03-18
PRIOR PILING DATE: 2002-09-05
PRIOR PILING DATE: 2002-09-05
PRIOR PILING DATE: 2002-09-05
PRIOR APPLICATION NUMBER: US 60/408,378
PRIOR PILING DATE: 2002-09-05
PRIOR APPLICATION NUMBER: US 60/409,293
PRIOR PILING DATE: 2002-09-09
PRIOR PILING DATE: 2002-09-09
PRIOR PILING DATE: 2002-09-09
PRIOR PILING DATE: 2002-09-09
PRIOR PILING DATE: 2003-01-15
NUMBER: OF SED ID NOS: 626
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         LOCATION: (20)..(21)
OTHER INFORMATION: n stands for thymidine
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            FEATURE:
NAME/KEY: misc_feature
LOCATION: (2)..(5)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
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LOCATION: (14)...(14)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     LOCATION: (10)...(10)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
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OTHER INFORMATION: 2'-deoxy-2'-fluoro
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SOFTWARE: Patentin version 3.2
SEQ ID NO 551
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Best Local Similarity 72.7
Matches 8; Conservative
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|GCUCUAGAAUG 11
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NAME/KEY: misc_feature
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LOCATION: (21)_.(21)
OTHER INFORMATION: 3'-3 attached terminal deoxyabasic moeity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            HER INFORMATION: 5'-3 attached terminal deoxyabasic moeity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  OTHER INFORMATION: Description of Artificial Sequence:
                       PRIOR APPLICATION NUMBER: US 60/358,580
PRIOR FILING DATE: 2002-02-20
PRIOR FILING DATE: 2002-02-11
PRIOR PRILING DATE: 2002-03-11
PRIOR PRILING DATE: 2002-03-11
PRIOR PILING DATE: 2002-06-06
PRIOR PILING DATE: 2002-06-06
PRIOR FILING DATE: 2002-09-09
PRIOR FILING DATE: 2002-09-09
PRIOR PILING DATE: 2002-09-09
PRIOR PILING DATE: 2002-09-09
PRIOR FILING DATE: 2002-09-09
PRIOR FILING DATE: 2002-09-09
PRIOR FILING DATE: 2002-09-09
PRIOR FILING DATE: 2003-09-09
PRIOR FILING DATE: 2003-09-09
PRIOR FILING DATE: 2003-01-15
NUMBER OF SEQ ID NOS: 626
SSOFTWARE: PATENTIN VETSION 3.2
LENGTH: 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   LOCATION: (20)...(21)
OTHER INFORMATION: n stands for thymidine
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 551, Application PC/TUS0304088
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: McGwiggen, James
APPLICANT: Beigelman, Leonid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NAME/KEY: misc_feature
LOCATION: (7)..(9)
TIMER INFORMATION: 2'-deoxy-2'-fluoro
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NAME/KEY: misc feature
LOCATION: (19)...(19)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NAME/KEY: misc_feature
LOCATION: (4)._(5)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      LOCATION: (1). (2)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
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'HER INFORMATION: 2'-deoxy-2'-fluoro
  FILING DATE: 2002-07-17
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Best Local Similarity
Matches 11; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PCT-US03-04088-547
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RESULT 10

PCT-US03-04080-559

Sequence 559, Application PC/TUS0304088

Sequence 559, Application PC/TUS0304088

Sequence 559, Application PC/TUS0304088

Sequence 559, Application PCATUSO304088

APPLICANT: Riborayme Pharmaceuticals, Inc.
APPLICANT: Reigalama. Leonid

TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase Gene
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase Current Papelicanton NUMBER: PCT/US03/04088

CURRENT PILING DATE: 2002-04-28

PRIOR PILING DATE: 2002-07-17

PRIOR PILING DATE: 2002-03-11

PRIOR PILING DATE: 2002-03-11

PRIOR PILING DATE: 2002-03-11

PRIOR PILING DATE: 2002-03-11

PRIOR PILING DATE: 2002-09-05

PRIOR PILING DATE: 2003-09-05

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OTHER INFORMATION: Description of Artificial Sequence: Target sequence/sina
OTHER INFORMATION: antisense region
                                                                                                                                                                                                                                    Gaps
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             ; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (21) - (21);
; OTHER INFORMATION: 3'-3 attached terminal deoxyabasic moeity
PCT-US03-04088-555
                                                                                                                                                                             100.0%; Score 11; DB 1; Length 21; 100.0%; Pred. No. 5.3e+03; Live 0; Mismatches 0; Indels
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NAME/KEY: misc_feature
LOCATION: (1)._(1)
OTHER INFORMATION: 2'-deoxy
FEATURE:
NAME/KEY: misc_feature
LOCATION: (2)..(5)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              LOCATION: (10)...(10)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
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LOCATION: (11)...(13)
OTHER INFORMATION: 2'-deoxy
FEATURE:
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OTHER INFORMATION: 2'-deoxy
                                                                                                                                                                                                      Best Local Similarity 100.
Matches 11; Conservative
                                                                                                                                                                                                                                                                                          1 GCTCTAGAATG 11
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NAME/KEY: misc_feature
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ORGANISM: Artificial
                                                                                                                                                                               Query Match
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             OTHER INFORMATION: Description of Artificial Sequence: Target sequence/siNA sense
OTHER INFORMATION: region
LOCATION: (1)..(1)
JTHER INFORMATION: 5'-3 attached terminal deoxyabasic moeity
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LOCATION: (20) ... (21)
OTHER INFORMATION: n stands for thymidine
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NAME/KEY: misc feature
LOCATION: (7)._(9)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  FEATURE:
NAME/KEY: misc_feature
LOCATION: (1).-(2)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
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OTHER INFORMATION: 2'-deoxy-2'-fluoro
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LOCATION: (11)...(14)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
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OTHER INFORMATION: 2'-deoxy-2'-fluoro
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LOCATION: (15)...(18)
OTHER INFORMATION: 2'-deoxy
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OTHER INFORMATION: 2'-deoxy
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NAME/KEY: misc_feature
LOCATION: (10)..(10)
OTHER INFORMATION: 2'-deoxy
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OTHER INFORMATION: 2'-deoxy
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JOCATION: (1)...(1)
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NAME/KEY: misc_feature
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LOCATION: (6)..(6)
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NAME/KEY: misc_feature
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ORGANISM: Artificial
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LENGTH: 21
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Gaps
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US-10-188-523C-5

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US-10-188-523C-5

US-10-188-523C-5

US-10-188-523C-5

US-10-188-10-1

US-10-188-10-1

UNTERTAL INTORNATION:

UNTERTAL TARGO, XIAGO-SONG

TITLE OF INVENTION:

UNTERTAL PEPLICATION UNDRER:

US-10-188,523C

UNTERTAL FILING DATE: 2002-10-24

PRIOR APPLICATION NUMBER: US-09/627,216

PRIOR APPLICATION NUMBER: US-00/147,719

PRIOR PILING DATE: 1999-08-06

NUMBER OF SEQ ID NOS: 38

SOFTWARE: MICROSOFT OFFICE 97

LENGTH: 22
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TITLE OF INVENTION: BIOPRODUCTION OF PARA-HYDROXYCINNAMIC ACID
FILE REPERENCE: BC1009 US DIVCIP
CURRENT APPLICATION NUMBER: US/10/188,523B
CURRENT FILING DATE: 2002-10-17
PRIOR PAPLICATION NUMBER: US 09/627,216
PRIOR FILING DATE: 2000-07-27
PRIOR FILING DATE: 1999-08-06
NUMBER OF SCOID NO.63: 38
SOFTWARE: Microsoft Office 97
                                                                                                                                                                                                                                                      Score 11; DB 10; Length 21;
Pred. No. 5.3e+03;
); Mismatches 0; Indels
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Pred. No. 5.3e+03;
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CURRENT APPLICATION NUMBER: US/10/374,366 CURRENT FILING DATE: 2003-02-26 PRIOR APPLICATION NUMBER: 60/360,279 PRIOR FILING DATE: 2002-02-26
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ; Sequence 5, Application US/10188523B ; GENERAL INFORMATION:
                                                                                                                                                                         TYPE: DNA; ORGANISM: Rhodosporidium glutinis US-10-374-366-202
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Best Local Similarity 100.0%;

Matches 11; Conservative 0
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                                                                                   NUMBER OF SEQ ID NOS: 203
SOFTWARE: Patentin version 3.2
SEQ ID NO 202
LENGTH: 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ORGANISM: Artificial Sequence
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                                                                                                                                                                                                                                                                                                                                                     1 GCTCTAGAATG 11
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Best Local Similarity
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LENGTH: 22
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APPLICANT: Tang, Xiao-Song
APPLICANT: Milano, Joseph
TITLE OF INVENTION: METHOD FOR THE RECOMBINATION OF GENETIC ELEMENTS
FILE REPERENCE: CL1/794 US NA
CURRENT APPLICATION NUMBER: US/10/374,366
CURRENT FILING DATE: 2003-02-26
PRIOR APPLICATION NUMBER: 60/360,279
PRIOR FILING DATE: 2002-02-26
NUMBER OF SEQ ID NOS: 203
SOFTHARE: PatentIn version 3.2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gequence 202, Application US/10374366
; GENERAL INFORMATION:
APPLICANT: Tang, Xiao-Song
APPLICANT: Milano, Joseph
TITLE OF INVENTION: METHOD FOR THE RECOMBINATION OF GENETIC ELEMENTS
FILE REFERENCE: CL1794 US NA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ö
                                                                                                                                                                                                                                                                                                                                                                                                  OTHER INFORMATION: Phosphorothioate 3'-Internucleotide Linkage
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                3; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      LOCATION: (20)..(21)
OTHER INFORMATION: n stands for thymidine
                                                                                                                                                                                NAME/KEY: misc_feature
LOCATION: (17)...(17)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
                                               OTHER INFORMATION: 2'-deoxy-2'-fluoro
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 27, Application US/10374366 GENERAL INFORMATION:
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US-10-374-366-27
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                                                                                                                                                                                                                                               FEATURE:
NAME/KEY: misc_feature
LOCATION: (18) 7. (19)
OTHER INFORMATION: 2'-deoxy
                                                                                          NAME/KEY: misc feature
LOCATION: (15)...(16)
OTHER INFORMATION: 2'-deoxy
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Best Local Similarity 100...
Local 11, Conservative
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1 GCUCUAGAAUG 11
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         NAME/KEY: misc_feature
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Best Local Similarity
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LENGTH: 21
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FEATURE:
O'THER INFORMATION: Description of Artificial Sequence: Target sequence/siNA sense
CTHER INFORMATION: region
PCT-US03-04088-520
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                                Query Match
100.0%; Score 11; DB 9; Length 22;
Best Local Similarity 100.0%; Pred. No. 5.3e+03;
Matches 11; Conservative 0; Mismatches 0; Indels
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100.0%; Score 11; DB 1; Length 23;
Best Local Similarity 100.0%; Pred. No. 5.3e+03;
Matches 11; Conservative 0; Mismatches 0; Indels
                                                                                                                                               PCT-US03-04088-520/c
; Sequence 520, Application PC/TUS0304088
; GENERAL INFORMATION:
; OTHER INFORMATION: primer US-10-188-523C-5
                                                                                           3 GCTCTAGAATG 13
                                                                              1 GCTCTAGAATG 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: RNA
ORGANISM: Artificial
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1 GCTCTAGAATG 11 δ

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Gaps

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23 GCTCTAGAATG 13

Search completed: June 26, 2003, 04:15:20 Job time : 264.081 secs

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Sequence 751232, Sequence 751232, Sequence 54916, A Sequence 35216, A Sequence 352738, Sequence 13723, Sequence 44115, A Sequence 45101, A Sequence 134105, Sequence 739286, Sequence 739286, Sequence 739286, Sequence 739286, Sequence 739286, Sequence 914144, Sequence 914144, Sequence 914144, Sequence 914144, Sequence 914144, Sequence 914144,

Sequence Sequence Sequence Sequence

us-08-770-564a-9.rnpn

Perfect score:

Sequence:

OM nucleic

Run on:

Scoring table:

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FULLUNDAY OUR NEW STATION

SEQUENCE 539 Application PC/TUS0304088

GENERAL INFORMATION:

APPLICANT: Biologyme Pharmaceuticals, Inc.

APPLICANT: Beigelman, Leonid

TITLE OF INVENTION: RAN Interference Mediated Inhibition of Telomerase Gene

TITLE OF INVENTION: RAN Interference Mediated Inhibition of Telomerase Gene

TITLE OF INVENTION: RAN INTERFERENCE TO TO SA (400/080)

FILE REPERNCE: 02-708-A (400/080)

CURRENT FILING DATE: 2003-04-28

PRIOR APPLICATION NUMBER: US 60/396,600

PRIOR PRIOR OFFE: 2002-07-17

PRIOR APPLICATION NUMBER: US 60/386,780

PRIOR PILING DATE: 2002-03-11

PRIOR FILING DATE: 2002-06-06

PRIOR PILING DATE: 2002-06-06

PRIOR PILING DATE: 2002-09-05

PRIOR PILING DATE: 2002-09-09

PRIOR PILING DATE: 2003-09-15

PRIOR PILING DATE: 2003-09-15

PRIOR PILING DATE: 2003-09-09

PRIOR PILING DATE: 2003-09-05

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US-10-325-810-543
US-10-355-577-751232
US-09-954-445A-54976
US-10-310-188-36216
US-10-310-188-36216
US-10-442-906-39
US-00-449-908-952738
3 US-60-469-545-13722
3 US-60-469-545-13722
US-10-355-577-44115
US-10-355-577-44115
US-10-355-577-45101
US-10-355-577-45101
US-10-355-577-45101
US-10-355-577-45101
US-10-355-577-441182
US-60-427-808-66732
2 US-60-427-808-304013
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2 US-60-417-190-74830
2 US-60-417-190-74830
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ORGANISM: Artificial
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Appli
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1: /cgn2_6/ptodata/1/pna/USOF_NEW_COMB.seq:*

2: /cgn2_6/ptodata/1/pna/USOF_NEW_COMB.seq:*

3: /cgn2_6/ptodata/1/pna/USOF_NEW_COMB.seq:*

4: /cgn2_6/ptodata/1/pna/USOB_NEW_COMB.seq:*

5: /cgn2_6/ptodata/1/pna/USOB_NEW_COMB.seq:*

6: /cgn2_6/ptodata/1/pna/USOB_NEW_COMB.seq:*

7: /cgn2_6/ptodata/1/pna/USOB_NEW_COMB.seq2:*

8: /cgn2_6/ptodata/1/pna/USOB_NEW_COMB.seq2:*

9: /cgn2_6/ptodata/1/pna/USOB_NEW_COMB.seq2:*

10: /cgn2_6/ptodata/1/pna/USOB_NEW_COMB.seq2:*

11: /cgn2_6/ptodata/1/pna/USOB_NEW_COMB.seq2:*

12: /cgn2_6/ptodata/1/pna/USOB_NEW_COMB.seq2:*

13: /cgn2_6/ptodata/1/pna/USOB_NEW_COMB.seq2:*

13: /cgn2_6/ptodata/1/pna/USOB_NEW_COMB.seq2:*

13: /cgn2_6/ptodata/1/pna/USOB_NEW_COMB.seq2:*
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                         GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.
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PCT-US03-04088-559
PCT-US03-04088-520
PCT-US03-04088-520
RC-US03-04088-520
US-10-325-810-598
US-10-335-910-598
US-10-330-872-5
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                                                                                                                                                                                                                                                                                                                                                                                                                                                7860393 seqs, 3496198572 residues
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Maximum Match 100%
Listing first 45 summaries
                                                                                                                       - nucleic search, using sw model
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Gapop 10.0 , Gapext 1.0
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19
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Database :

100.0%; Score 19; DB 1; Length 21;

Query Match

Sequence Sequence

PCT-US03-04088-546 PCT-US03-04088-550 PCT-US03-04088-554 PCT-US03-04088-558 US-09-721-456-543

Sequence

Sequence Sequence Sequence

Score

Result

NAME/KEY: misc_feature // CCATION: (20)...(21) // OTHER INFORMATION: n stands for thymidine PCT-US03-04088-539

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APPLICANT: RANGINGS.
APPLICANT: McSwiggen, James
APPLICANT: Beigelman, Leonid
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase Gene
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OTHER INFORMATION: Description of Artificial Sequence: sinA sense region
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2 OTHER INFORMATION: 3'-3 attached terminal deoxyabasic moeity
PCT-US03-04088-547
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OTHER INFORMATION: 5'-3 attached terminal deoxyabasic moeity
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100.0%; Score 19; DB 1; Length 21;
Best Local Similarity 100.0%; Pred. No. 2.2;
Matches 19; Conservative 0; Mismatches 0; Indels
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OTHER INFORMATION: n stands for thymidine
                                                                                                                                                      PRIOR APPLICATION NUMBER: US 60/386,782
PRIOR FILING DATE: 2002-06-06
PRIOR APPLICATION NUMBER: US 60/406,784
PRIOR APPLICATION NUMBER: US 60/408,378
PRIOR FILING DATE: 2002-09-05
PRIOR FILING DATE: 2002-09-05
PRIOR FILING DATE: 2002-09-09
PRIOR PILING DATE: 2002-09-09
PRIOR PILING DATE: 2003-09-09
PRIOR PILING DATE: 2003-01-15
NUMBER OF SEQ ID NOS: 626
SOFWWARE: PATCHTIN VERSION 3.2
SEQ ID NO 547
                               US 60/358,580
                                                                                                 US 60/363,124
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NAME/KEY: misc feature
LOCATION: (1). (2)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
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OTHER INFORMATION: 2'-deoxy-2'-fluoro
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OTHER INFORMATION: 2'-deoxy-2'-fluoro
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OTHER INFORMATION: 2'-deoxy-2'-fluoro
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OTHER INFORMATION: 2'-deoxy-2'-fluoro
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: RNA ORGANISM: Artificial
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APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Meswiggen, James
APPLICANT: Meswiggen, Loonid
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase Gene
TITLE OF INVENTION: Expression Using Short Interfering RNA (siNA)
FILE OF INVENTION: Expression Using Short Interfering RNA (siNA)
FILE REPERENCE: 02-708-A (4000/80)
CURRENT APPLICATION NUMBER: PCT/US03/04088
CURRENT APPLICATION NUMBER: US 60/358,580
PRIOR FILING DATE: 2002-02-10
PRIOR FILING DATE: 2002-03-11
PRIOR FILING DATE: 2002-03-11
PRIOR APPLICATION NUMBER: US 60/363,124
PRIOR PRIDE APPLICATION NUMBER: US 60/406,784
PRIOR PRIDE DATE: 2002-06-06
PRIOR PRIDE DATE: 2002-09-05
PRIOR PRIDE DATE: 2002-09-09
PRIOR PRIDE DATE: 2002-09-09
PRIOR PLING DATE: 2002-09-09
PRIOR PLING DATE: 2003-01-15
NUMBER OF SEQ ID NOS: 626
SEQ ID NO 543
LENGTHARE PALENTIN VARIER: PALE
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APPLICANT: McSwiggen, James
APPLICANT: Beigelman, Leonid
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase Gene
TITLE OF INVENTION: Expression Using Short Interfering RNA (siNA)
FILE REFERENCE: 02-708-A (400/080)
CURRENT APPLICATION NUMBER: PCT/US03/04088
CURRENT FILING DATE: 2003-04-28
PRIOR APPLICATION NUMBER: US 60/396,600
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                                                                  Indels
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                                                                  Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NAME/KEY: misc feature
LOCATION: (20)...(21)
OTHER INFORMATION: n stands for thymidine
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                100.0%; Score 19; 78.9%; Pred. No. 2
                               Pred. No.
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APPLICANT: Ribozyme Pharmaceuticals, Inc.
                                                                                                                                                                                                                                                                                                                                                                 Sequence 543, Application PC/TUS0304088
100.0%; Pre-
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                           Best Local Similarity 100.
Matches 19; Conservative
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Best Local Similarity 78.9
Matches 15; Conservative
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FILE REFERENCE: 02-708-A (400/080)
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ORGANISM: Artificial
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ö
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APPLICANT: McSwiggen, James
APPLICANT: Beigelman, Leonid
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase Gene
TITLE OF INVENTION: Expression Using Short Interfering RNA (siNA)
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Expression Using Short Interfering RNA (siNA) 08-A (400/080)
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NAMB/KEY: misc_feature
LOCATION: (20)...(20)
OTHER INFORMATION: Phosphorothioate 3'-Internucleotide Linkage
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ch 100.0%; Score 19; DB 1; Length 21; 1 Similarity 78.9%; Pred. No. 2.2; 15; Conservative 4; Mismatches 0; Indels
              TITLE OF INVENTION: EXPLENBLUIN USING CURRENT APPLICATION NUMBER: PCT/US03/04088 CURRENT APPLICATION NUMBER: PCT/US03/04088 CURRENT PILING DATE: 2003-04-28 PRIOR APPLICATION NUMBER: US 60/396,600 PRIOR PILING DATE: 2002-07-17 PRIOR PILING DATE: 2002-07-17 PRIOR PILING DATE: 2002-03-10 PRIOR PILING DATE: 2002-03-11 PRIOR PILING DATE: 2002-03-11 PRIOR APPLICATION NUMBER: US 60/363,124 PRIOR PILING DATE: 2002-03-11 PRIOR PILING DATE: 2002-03-11 PRIOR PILING DATE: 2002-03-11 PRIOR PILING DATE: 2002-09-09 PRIOR APPLICATION NUMBER: US 60/408,378 PRIOR APPLICATION NUMBER: US 60/408,378 PRIOR APPLICATION NUMBER: US 60/409,293 PRIOR PILING DATE: 2002-09-09

PRIOR PILING DATE: 2002-09-09

PRIOR PILING DATE: 2002-09-09

PRIOR PILING DATE: 2003-01-15

NUMBER OF SEQ ID NOS: 626

SOFTWARR: PARENTLIN VARIBER: US 60/440,129

NUMBER OF SEQ ID NOS: 626

SOFTWARE: PARENTLIN VARIBER: US 60/440,129

NUMBER OF SEQ ID NOS: 626

LENGTH: 21
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LOCATION: (20) ... (21)
OTHER INFORMATION: n stands for thymidine
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LOCATION: (14)...(14)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
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PCT-US03-04088-555/c
; Sequence 555, Application PC/TUS0304088
; GENERAL INFORMATION:
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LOCATION: (2)...(5)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
FEATURE:
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LOCATION: (10)...(10)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
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OTHER INFORMATION: 2'-deoxy-2'-fluoro
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Best Local Similarity
Matches 15, Conserva
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ORGANISM: Artificial
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100.0%; Score 19; DB 1; Length 23;
       LOCATION: (14)..(14)

THER INFORMATION: 2'-deoxy-2'-fluoro
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OTHER INFORMATION: 2'-deoxy-2'-fluoro
                                                                                                                                                        LOCATION: (15)...(16)
OTHER INFORMATION: 2'-deoxy
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LOCATION: (18)...(19)
OTHER INFORMATION: 2'-deoxy
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                                                                                                                                                                                                                                                                       Gaps
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                                  i LOCATION: (21)...(21)
i OTHER INFORMATION: 3'-3 attached terminal deoxyabasic moeity
PCT-US03-04088-555
                                                                                                                                                                                       Score 19; DB 1; Length 21;
Pred. No. 2.2;
                                                                                                                                                                               Query Match
Best Local Similarity 100.0%; Pred. No. 2.2
Matches 19; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 559, Application PC/TUS0304088 GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NAME/KEY: misc feature
LOCATION: (2). (5)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
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LOCATION: (10)...(10)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
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OTHER INFORMATION: 2'-deoxy
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THER INFORMATION: 2'-deoxy
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LOCATION: (11)..(13)
OTHER INFORMATION: 2'-deoxy
FEATURE:
NAME/KEY: misc feature
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ORGANISM: Artificial
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Target sequence/siNA sense
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LOCATION: (20) ... (20)
OTHER INFORMATION: Phosphorothioate 3'-Internucleotide Linkage
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Pred. No. 2.2;
4; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: MCSWiggen, James
APPLICANT: Beigelman, Leonid
TITLE OF INVENTION: RNA Interference Mediated Inhibition of
TITLE OF INVENTION: Expression Using Short Interfering RNA
FILE REFERENCE: 02-708-A (400/080)
CURRENT APPLICATION NUMBER: PCT/US03/04088
CURRENT FILING DATE: 2003-04-28
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; OTHER INFORMATION: region
PCT-US03-04088-520
                                                                                                                              ) LOCATION: (20)...(21)
) OTHER INFORMATION: n stands for thymidine PCT-US03-04088-559
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PRIOR PELING DATE: 2002-07-17
PRIOR APPLICATION NUMBER: US 60/396,600
PRIOR APPLICATION NUMBER: US 60/35,580
PRIOR PILING DATE: 2002-02-03
PRIOR PILING DATE: 2002-03-11
PRIOR PILING DATE: 2002-06-06
PRIOR PILING DATE: 2002-06-06
PRIOR PILING DATE: 2002-06-06
PRIOR PILING DATE: 2002-06-06
PRIOR PILING DATE: 2002-09-05
PRIOR PILING DATE: 2002-09-09
PRIOR PILING DATE: 2002-09-09
PRIOR PILING DATE: 2002-09-09
PRIOR PILING DATE: 2002-09-09
PRIOR PILING DATE: 2003-01-15
PRIOR PILING DATE: 2003-09-09
PRIOR PILING DATE: 2003-09-09
PRIOR PILING DATE: 2003-09-09
PRIOR PILING DATE: 2003-09-09
PRIOR PILING DATE: 2003-01-15
PRIOR PILING DATE: 2003-01-15
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Best Local Similarity 78.9.
Local Similarity 78.9.
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NAME: Apple, Randolph Ted
REGISTRATION NUMBER: 36,429
REFERENCY NUMBER: 36,429
REFERENCY NUMBER: 015389-002610US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     LOCATION: 1..26
OTHER INFORMATION: /note= "R3c primer"
SEQUENCE DESCRIPTION: SEQ ID NO: 598:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICATION NUMBER: US 08/915,503
FILING DATE: 14-AUG-1997
APPLICATION NUMBER: WO PCT/US97/17618
FILING DATE: 01-OCT-1997
APPLICATION NUMBER: WO PCT/US97/17885
FILING DATE: 01-OCT-1999
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        FILING DATE: 18-APR-1997
APPLICATION NUMBER: US 08/846,017
FILING DATE: 25-APR-1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICATION NUMBER: US 08/851,843
FILING DATE: 06-MAY-1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICATION NUMBER: US 08/854,050
FILING DATE: 09-MAY-1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICATION NUMBER: US 08/911,312
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICATION NUMBER: US 08/912,951
FILING DATE: 14-AUG-1997
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APPLICANT: Cech, Thomas R.
                                                                                         ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
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Chapman, Karen
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             INFORMATION FOR SEQ ID NO: 598
SEQUENCE CHARACTERISTICS:
                                STATE: California
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Best Local Similarity 100.
Matches 19; Conservative
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APPLICANT: Beigelman, Leonid
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase Gene
TITLE OF INVENTION: Rxpression Using Short Interfering RNA (siNA)
FILE REPERENCE: 02-708-A (400/080)
CURRENT APPLICATION NUMBER: PCT/US03/04088
CURRENT FILING DATE: 2003-04-28
                                                                    Gaps
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Andrews, William H.
TITLE OF INVENTION: Human Telomerase Catalytic Subunit
NUMBER OF SEQUENCES: 727
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 23
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                                                                Indels
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ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
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                            Pred. No. 2.2;
                                                                Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PRIOR PELICATION NUMBER: US 60/396,600
PRIOR PELING DATE: 2002-07-17
PRIOR APPLICATION NUMBER: US 60/356,600
PRIOR PILING DATE: 2002-02-03
PRIOR PILING DATE: 2002-03-11
PRIOR PILING DATE: 2002-03-11
PRIOR PELICATION NUMBER: US 60/363,124
PRIOR PELING DATE: 2002-06-06
PRIOR PELING DATE: 2002-06-06
PRIOR PELING DATE: 2002-08-09
PRIOR PELING DATE: 2002-09-05
PRIOR PELING DATE: 2002-09-05
PRIOR APPLICATION NUMBER: US 60/409,293
PRIOR PELING DATE: 2002-09-09
PRIOR PELING DATE: 2002-09-09
PRIOR PELING DATE: 2002-09-09
PRIOR PELING DATE: 2002-09-09
PRIOR PELING DATE: 2003-01-15
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GENERAL INFORMATION:
APPLICANT: Cech, Thomas R.
Lingner, Joachim
Nakamura, Toru
Chapman, Karen B.
100.0%; Pre
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100.0%; Pr
tive 0;
                                                                                                                             1 GCTCTAGAATGAACGGTGG 19
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Best Local Similarity 100.
Matches 19; Conservative
                 Best Local Similarity 100. Matches 19; Conservative
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OTHER INFORMATION: region
PCT-US03-04088-521
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ORGANISM: Artificial
                                                                                                                                                                                                                                                                                                                                      -US03-04088-521/c
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LENGTH: 23
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Sequence 23, Application US/10359935 GENERAL INFORMATION:

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US-10-359-935-23
       натіеу, Calvin B.
Andrews, William H.
TITLE OF INVENTION: Human Telomerase Catalytic Subunit
NUMBER OF SEQUENCES: 633
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llarity 100.0%; Pred. No. 2.2;
Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                            ZIP: 94111-3834

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERTING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
                                                                                                                                       ADDRESSEE: Townsend and Townsend and Crew LLP STREET: Two Embarcadero Center, Eighth Floor CITY: San Francisco STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NAME: Ausenhus, Scott L. REGISTRATION NUMBER: 42,271 REFERENCE/DOCKET NUMBER: 015389-002620US
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              LOCATION: 1..26
OTHER INFORMATION: /note= "R3c primer"
SEQUENCE DESCRIPTION: SEQ ID NO: 598:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICATION NUMBER: US 08/915,503
FILING DATE: 14-AUG-1997
APPLICATION NUMBER: WO PCT/US97/17885
FILING DATE: 01-0CT-1997
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                              CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/325,810
FILING DATE: 20-Dec-2002
CLASSIFICATION: «UNKNOWIN»
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICATION NUMBER: US/09/402,181
FILING DATE: 29-Sep-1997
APPLICATION NUMBER: US 08/724,643
ELLING DATE: 01-0CT-1996
APPLICATION NUMBER: US 08/844,419
FILING DATE: 18-APR-1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             FILING DATE: 09-MAY-1997
APPLICATION NUMBER: US 08/911,312
FILING DATE: 14-AUG-1997
APPLICATION NUMBER: US 08/912,951
FILING DATE: 14-AUG-1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     FILING DATE: 25-APR-1997
APPLICATION NUMBER: US 08/851,843
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                FILING DATE: 06-MAY-1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            INFORMATION FOR SEQ ID NO: 598
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                                                                                               NUMBER OF SEQUENCES: 63
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TOPOLOGY: linear MOLECULE TYPE: DNA
                                                                                                                                                                                                                                                       COUNTRY: USA
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Matches 19; Conserv
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Vasserot, Alain
Pruzan, Konald
VENTON: Using Purified Telomerase to Identify Telomerase Activators and
VENTION: Inhibitors
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                                                                                                                                                                                                                                                                                                                  COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
                   Feng, Junli
Funk, Walter
Andrews, William H.
TITLE OF INVENTION: Mammalian Telomerase
NUMBER OF SEQUENCES: 42
CORRESPONDENCE ADDRESS:
STREET: Two Embarcadero Center, Eighth Floor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     REFERENCE/DOCKET NUMBER: 015389-000821US
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICATION NUMBER: US/09/057,351
FILING DATE: 08-APR-1994
APPLICATION NUMBER: US 08/272,102
FILING DATE: 07-JUL-1994
APPLICATION NUMBER: US 08/330,123
FILING DATE: 27-OCT-1994
FILING DATE: 07-JUN-1995
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                                                                                                                                                                                                                                                                                                                                                                               CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/359,935
FILING DATE: 07. Feb-2003
CLASSIFICATION: 435
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NAME: Storella, John R. REGISTRATION NUMBER: 32,944
APPLICANT: Villeponteau, Bryant
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TELEPHONE: (415) 576-0200
                                                                                                                                                                                                                                                  ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
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Atkinson III, Edward
Lichtsteiner, Serge
                                                                                                                                                                                     CITY: San Francisco
STATE: California
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TITLE OF INVENTION: Inh
FILE REFERENCE: 011/006C
                                                                                                                                                                                                                                 COUNTRY: USA
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Best Local Similarity
Then 19; Conserve
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TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase Gene
TITLE OF INVENTION: Expression Using Short Interfering RNA (81NA)
FILE REFERENCE: 02-708-4 (400,008)
FILE REFERENCE: 02-708-4 (400,008)
CURRENT APPLICATION NUMBER: US 60/396,600
PRIOR FILING DATE: 2002-07-17
PRIOR PELING DATE: 2002-07-17
PRIOR APPLICATION NUMBER: US 60/358,580
PRIOR FILING DATE: 2002-03-18
PRIOR FILING DATE: 2002-03-18
PRIOR FILING DATE: 2002-03-18
PRIOR FILING DATE: 2002-06-06
PRIOR FILING DATE: 2002-06-06
PRIOR FILING DATE: 2002-09-09
PRIOR FILING DATE: 2003-09-09
PRIOR FILING DATE: 2002-09-09
PRIOR FILING DATE: 2002-09-09
PRIOR FILING DATE: 2002-09-09
PRIOR FILING DATE: 2002-09-09
PRIOR FILING DATE: 2003-09-09
PRIOR FILING DATE: 2003-01-15
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APPLICANT: MISSWiggen, James
APPLICANT: MISSWiggen, James
APPLICANT: Beigelman, Leonid
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase Gene
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase Gene
TITLE OF INVENTION: ROPE INTERFERENCE: 02-708-A (400/080)
CURRENT APPLICATION NUMBER: PCT/US03/04088
CURRENT PILING DATE: 2003-04-28
PRIOR FILING DATE: 2002-07-17
PRIOR FILING DATE: 2002-03-11
PRIOR FILING DATE: 2002-03-11
PRIOR FILING DATE: 2002-03-11
PRIOR FILING DATE: 2002-06-06
PRIOR FILING DATE: 2002-06-06
PRIOR APPLICATION NUMBER: US 60/406,784
PRIOR FILING DATE: 2002-06-06
PRIOR APPLICATION NUMBER: US 60/406,784
PRIOR FILING DATE: 2002-06-06
PRIOR APPLICATION NUMBER: US 60/408,378
PRIOR FILING DATE: 2002-09-05
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100.0%; Pred. No. 28;
tive 0; Mismatches (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    LOCATION: (20) (21)
OTHER INFORMATION: n stands for thymidine
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APPLICATION NUMBER: US 60/440,129
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 542, Application PC/TUS0304088 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     3 TCTAGAATGAACGGTGG 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          FILING DATE: 2003-01-15
           Seigelman, Leonid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match 89.5
Best Local Similarity 100.
Matches 17, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NAME/KEY: misc feature
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: RNA ORGANISM: Artificial
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SEQ ID NO 538
LENGTH: 21
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APPLICANT: Weinrich, Scott
APPLICANT: Attinson III, Edward
APPLICANT: Attinson III, Edward
APPLICANT: Attinson III, Edward
APPLICANT: Lichtsteiner, Serge
APPLICANT: Lichtsteiner, Serge
APPLICANT: Pruzan, Ronald
TITLE OF INVENTION: Using Purified Telomerase to Identify Telomerase Activators and
TITLE OF INVENTION: Using Purified Telomerase to Identify Telomerase Activators and
TITLE OF INVENTION: Using Purified Telomerase to Identify Telomerase Activators and
TITLE OF INVENTION: Using Purified Telomerase to Identify Telomerase Activators and
TITLE OF INVENTION: Using Purified Telomerase to Identify Telomerase Activators and
TITLE OF INVENTION: Using Purified Telomerase to Identify Telomerase Activators and
TITLE OF INVENTION NUMBER: US/10/330,872A
PRIOR PILING DATE: 1995-06-04
PRIOR FILING DATE: 1995-06-04
PRIOR FILING DATE: 1999-10-18
PRIOR FILING DATE: 200-11-20
NUMBER OF SEQ ID NOS: 11
SOUTH AND SEG ID NOS: 11
SOUTH AND SEG ID NOS: 11
SOUTH AND SEG ID NOS: 11
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CURRENT APPLICATION NUMBER: US/10/330,872 CURRENT FILING DATE: 2002-12-24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Ribozyme Pharmaceuticals, Inc. APPLICANT: McSwiggen, James
                                                        PRIOR APPLICATION NUMBER: 08/510, 736
PRIOR FILING DATE: 1995-08-04
PRIOR FILING DATE: 1995-08-04
PRIOR FILING DATE: 1995-04-04
PRIOR PLING DATE: 1999-0-08
PRIOR PLING DATE: 1999-10-18
PRIOR APPLICATION NUMBER: 09/17,828
PRIOR APPLICATION NUMBER: 09/717,828
PRIOR PLING DATE: 2000-11-20
NUMBER OF SEQ ID NOS: 11
SOFTWARRE: PATENTIN VEFFION 3.1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 5, Application US/10330872A GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    100.0%; Sc
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ative 0;
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Best Local Similarity 100.0%; P:
Matches 19; Conservative 0;
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Best Local Similarity 100.
Matches 19; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: DNA
CORGANISM: Homo sapiens
US-10-330-872-5
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; ORGANISM: Homo sapiens
US-10-330-872A-5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SEQ ID NO 5
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NUMBER OF SEQ ID NOS: 626

SOFTWARE: Patentin version 3.2

SOFTWARE: Patentin version 3.2

LENGTH: 21

TYPE: RNA
ORGANISM: Artificial
FRATURE:
NAME/KRY: misc feature
1. COCATION: (20)...(21)
COCATION: (20)...(21)
COCATION: Rtands for thymidine
PCT-US03-04088-542
                                                                                                                                                                                                                                                                                                              0; Gaps
                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity 76.5%; Pred. No. 28;
Matches 13; Conservative 4; Mismatches 0; Indels
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Search completed: June 26, 2003, 04:15:18 Job time : 454.188 secs

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Compugen Ltd
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version :
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Maximum Match 100%
Listing first 45 summaries
                                            OM nucleic - nucleic search, using sw model
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Gapop 10.0 , Gapext 1.0
GenCore
Copyright (c) 1993
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Perfect score:
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

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SUMMARIES	qi	PCT-US97-23619-9	US-08-770-564A-9	US-09-250-336A-4	US-09-642-177-4	PCT-US96-14679-27	PCT-US96-14679A-27	PCT-US99-03302-4	PCT-US99-07533-4	PCT-US99-07533-4	US-08-272-102-23	US-08-387-524-19	US-08-472-802A-24	US-08-472-802B-24	US-08-482-115A-23	US-08-520-550-19	US-08-521-634-41	US-08-660-678-23	US-08-911-312-23	US-08-911-312A-23	US-08-912-951-312	US-08-973-589-17
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	Match Length DB	19	19	25	25	26	26	26	56	26	56	26	26	26	56	56	26	56	26	26	56	26
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Result	No.	1	7	m	4	Ŋ	9	7	60	6	10	11	12	13	14	15	16	17	18	19	20	21

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APPLICANT: Fruzan, Ron
APPLICANT: Fruzan, Ron
APPLICANT: Winnint, Scott L.
TITLE OF INVENTION: Inhibitory Polynuclectides Directed
TITLE OF INVENTION: Against the RNA Component of Telomerase
NUMBER OF SEQUENCES: 15
CORRESPONDENCE ADDRESS:
ADDRESSEE: TWO Embarcadero Center, 8th Floor
STREET: Two Embarcadero Center, 8th Floor
STREET: CA
COUNTRY: USA
ZIP: 94111
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                                                                                                                                                                                        Query Match 100.0%; Score 19; DB 1; Length 19; Best Local Similarity 100.0%; Pred. No. 7.2; Matches 19; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CIP: 9411.

COMPUTER READABLE FORM:
MEDIUW TYPE: Floppy disk
COMPUTER: IBM PC.Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/96/770,564A
FILING DATE: 20-DEC-1996
CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
NAME: Storella, John R:
REGISTRATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 015389-002200US
TELEPHONE: 415-576-0200
TELEPHONE: 415-576-0310
TELEPHONE: TELS/76-0310
TELERAK: 415-576-0310
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0; Mismatches
                                                                                                                       ; LOCATION: 1..19
; OTHER INFORMATION: /note= "oligo 21ab"
PCT-US97-23619-9
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                                                                                                                                                                                                                                                           1 GCTCTAGAATGAACGGTGG 19
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Best Local Similarity 100.0%;
Matches 19; Conservative (
 LENGTH: 19 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
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                                                    TOPOLOGY: linear
MOLECULE TYPE: DNA
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US-08-770-564A-9
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                                                                                                     NAME/KEY:
                                                                                                                                                                                                                                                                                                                                             RESULT 2
US-08-770-564A-9
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US-09-250-336A-4
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                                                                                  Sequence 598, App Sequence 59, App Sequence 312, App Sequence 312, App Sequence 26, Appl Sequence 5, Appli                                                         Sequence 4,
Sequence 45
                                        Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT:
TITLE OF INVENTION: Methods for Detecting and Inhibiting the TITLE OF INVENTION: RNA Component of Telomerase UNMBER OF SEQUENCES: 29
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/NS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US97/23619
FILING DATE: NOT yet assigned
ADDRESSEE: Townsend and Townsend and Crew LLP STREET: Two Embarcadero Center, Eighth Floor STRY: San Francisco STATE: California
                                                                                                                                                                                                                                                                                                       US-08-770-564A-8
US-09-540-119B-10
US-09-717-828A-5
US-09-717-828B-5
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US-09-903-461-2
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PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE: 20-DEC-1996
PRIOR APPLICATION NUMBER: US 08/770,564
PRIOR APPLICATION NUMBER: US 08/770,565
ATTORNEY/AGENT INFORMATION:
NAME: Storella, John R.
REGISTRATION NUMBER: 15389-27PC
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEPHONE: (415) 576-0300
TELEPHONE: (415) 576-0300
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 9, Application PC/TUS9723619 GENERAL INFORMATION:
   PCT-US97-23619-9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
     APPLICANT
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RESULT 1

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APPLICANT: FENG, JUNII
APPLICANT: ANDREWS, WILLIAM H.
APPLICANT: ADAMS, ROBERT R.
TITLE OF INVENTION: METHODS AND REAGENTS FOR REGULATING
TITLE OF INVENTION: TELOMERE LENGTH AND TELOMERASE ACTIVITY
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: VILLEPONTEAU, BRYANT
APPLICANT: FENG, JUNLI
APPLICANT: ANDREWS, WILLIAM H.
APPLICANT: ADAMS, MEDERT R.
TITLE OF INVENTION: METHODS AND REAGENTS FOR REGULATING
TITLE OF INVENTION: TELOMERE LENGTH AND TELOMERASE ACTIVITY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SOFTWARE: Patentin Release #1.0, Version #1.30 CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICATION NUMBER: PCT/US96/14679
FILING DATE: 13-SEP-1996
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: KASTER ESQ., KEVIN R.
REGISTRATION NUMBER: 32,704
REFERENCE/DOCKET NUMBER: 012/045PCT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 27, Application PC/TUS9614679A
GENERAL INFORMATION:
; Sequence 27, Application PC/TUS9614679; GENERAL INFORMATION: APPLICANT: VILLEPONTEAU, BRYANT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NUMBER OF SEQUENCES: 27
CORRESPONDENCE ADDRESS:
ADDRESSES: GERON CORPORATION
STREET: 200 CONSTITUTION DRIVE
CITY: MENLO PARK
STATE: CALIFORNIA
COUNTRY: U.S.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                       COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                      ADDRESSEE: GERON CORPORATION
STREET: 200 CONSTITUTION DRIVE
CITY: MENJO PARK
STATE: CALIFORNIA
                                                  VILLEPONTEAU, BRYANT
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IBM PC compatible
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
PCT-US96-14679-27
                                                                                                                                                                                                                                                                                                                                                                                                                                          Floppy disk
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Best Local Similarity 100.0
Matches 19; Conservative
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LENGTH: 26 base pairs
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                                                                                                                                                                                                                                                                                                                                                                          ZIP: 94025
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
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MEDIUM TYPE: Floppy
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STRANDEDNESS: sing
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                                          APPLICANT: STROVEL, Jeffrey W.
APPLICANT: STRABERG, Judith
APPLICANT: STAMBERG, Judith
APPLICANT: STAMBERG, Lynne V.
APPLICANT: ABRUZZO, Lynne V.
APPLICANT: HIGHSMITH, Edward
TITLE OP INVENTION: TELCMERASE ASSAY OF BODY FLUIDS FOR CANCER SCREENING
TITLE OP INVENTION: AND ASSESSMENT OF DISEASE STAGE AND PROGNOSIS
TITLE OP INVENTION: AND ASSESSMENT OF DISEASE STAGE AND PROGNOSIS
FILE REFERENCE: 10460.0004
CURRENT APPLICATION NUMBER: US/09/250,336A
CURRENT PILING DATE: 1999-02-16
PRIOR FILING DATE: 1999-02-16
PRIOR FILING DATE: 1999-02-16
NUMBER OF SEQ ID NOS: 4
SSOFTWARE: PATENTIN VET: 2.1
SEQ ID NO 4
LENGTH: 25
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; OTHER INFORMATION: Description of Artificial Sequence:R3c, Primer
US-09-250-336A-4
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100.0%; Score 19; DB 25; Length 25;
Best Local Similarity 100.0%; Pred. No. 7.4;
Matches 19; Conservative 0; Mismatches 0; Indels
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Application US/09250336A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 4, Application US/09642177 GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: DNA ORGANISM: Artificial Sequence
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SOFTWARE: Patentin Ver.
SEQ ID NO 4
LENGTH: 25
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PCT-US96-14679-27
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PatentIn Release #1.0, Version #1.30

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TYPE: DNA
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APPLICANT: Stamberg, Judith
APPLICANT: Abruszo, Lynne V
APPLICANT: Highsmith, Edward
TITLE OF INVENTION: Telomerase Assay of Body Fluids for Cancer Screening
TITLE OF INVENTION: and Assessment of Disease Stage and Prognosis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  OTHER INFORMATION: Description of Artificial Sequence: R3c, OTHER INFORMATION: synthesized, Gibco-BRL
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GENERAL INFORMATION:
APPLICANT: THE JOHNS HOPKINS UNIVERSITY SCHOOL OF MEDICINE
TITLE OF INVENTION: TELOMERASE-ASSOCIATED PROTEINS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Mismatches
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                                                                             ATTORNEY/AGENT INFORMATION:
NAME: KASTER ESQ., KEVIN R.
REGISTRATION WUMBER: 32,704
REFERENCE/DOCKET NUMBER: 012/045PCT
TELECOMMUNICATION INFORMATION:
TELEFAX: (415) 473-779
TELEFAX: (415) 473-779
TELEFAX: (415) 473-7750
INFORMATION FOR SEQ ID NO: 27:
SEQUENCE CHARACTERISTICS:
LENGTH: 26 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
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CURRENT FILING DATE: 1999-02-16
EARLIER APPLICATION NUMBER: 60/074,793
EARLIER PILING DATE: 1998-02-16
NUMBER OF SEQ ID NOS: 4
SOFTWARE: Patentin Ver. 2.0
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CURRENT APPLICATION NUMBER: PCT/US99/07533
CURRENT FILING DATE: 1999-04-06
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100.0%; Pred. No.
tive 0; Mismatch
                      APPLICATION NUMBER: PCT/US96/14679A FILING DATE: 13-SEP-1996
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Best Local Similarity 100.0%;
Matches 19; Conservative 0;
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; MOLECULE TYPE: DNA (genomic)
PCT-US96-14679A-27
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ORGANISM: Artificial Sequence
CURRENT APPLICATION DATA:
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Matches 19; Conserv
                                          FILING DATE: 1. CLASSIFICATION:
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LENGTH: 26
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GENERAL INFORMATION:
I APPLICANT: THE JOHNS HOPKINS UNIVERSITY SCHOOL OF MEDICINE
TITLE OF INVENTION: TELOMERASE-ASSOCIATED PROTEINS
FILE REFERENCE: 07265/157W01
CURRENT APPLICATION NUMBER: PCT/US99/07533A
CURRENT APPLICATION NUMBER: 60/060, 783
EARLIER PILING DATE: 1998-04-06
NUMBER OF SEQ ID NOS: 15
SOFTWARE: PSECSEQ for Windows Version 3.0
IENGTH: 26
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EARLIER APPLICATION NUMBER: 60/080,783
EARLIER FILING DATE: 1998-04-06
NUMBER OF SEQ ID NOS: 15
SSOFTWARE: FastSEQ for Windows Version 3.0
LENGTH: 26
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APPLICANT: FENG, Junli
APPLICANT: FUNK, Walter
APPLICANT: ANDREWS, William H.
TITLE OF INVENTION: HUMAN TELOMERASE
NUMBER OF SEQUENCES: 24
                                                                                                                                                                                                                                                                                                                                                     1 GCTCTAGAATGAACGGTGG 19
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                                                                                                                                                                                                                                                             Query Match
Best Local Similarity 100.0%;
Matches 19; Conservative 0
                                                                                                                                                       ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ORGANISM: Artificial Sequence
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Best Local Similarity 100.0%;
Matches 19; Conservative
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                                                                                                                                                                                             ; OTHER INFORMATION: primer PCT-US99-07533-4
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ADDRESSEE: Townsend
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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
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MEDIUM TYPE: 1934

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

COMPUTER: IBM PC compatible

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOGTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/472,802A

FILING DATE: 07-JUN-1995

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/272,102

FILING DATE: 07-JUL-1994

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/330,123

FILING DATE: 27-OCT-1994

ATTORNEY AGENT INFORMATION:

NAME: Storella, John R.

REGISTRATION NUMBER: 32,944

REFERENCE/DOCKET NUMBER: 13389-000820

TELECOMMUNICATION INFORMATION:

MEDIUM TOWNEY OF THE TOW
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GENERAL INFORMATION:
APPLICANT: Villeponteau, Bryant
APPLICANT: Feng, Junii
APPLICANT: Feng, Junii
APPLICANT: Funk, Walter
TITLE OF INVENTION: Mammalian Telomerase
TITLE OF INVENTION: Mammalian Telomerase
NUMBER OF SEQUENCES: 40
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew Lip
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
CITY: Can Francisco
CONTRESSEE: CONTRESS:
CITY: Can Francisco
CITY: Can Francisco
CONTRESSEE: CONTRESS:
CONTRESSEE: CONTRESS:
CONTRESSEE: Two Embarcadero Center, Eighth Floor
CITY: CANTRESSEE: CONTRESSEE
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                                                                                                                                                                                                                                                                                                                  ; TOPOLOGY: linear; MOLECULE TYPE: DNA (genomic)
US-08-387-524-19
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Matches 19; Conservative
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                                                                                                                                                                                                 TYPE: nucleic acid
STRANDEDNESS: single
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APPLICANT: Andrews, William H.
APPLICANT: Feng, Jun11
APPLICANT: Feng, Jun11
APPLICANT: Funk, Walear
APPLICANT: Punk, Walear
APPLICANT: Marhuenda, Maria A. B.
APPLICANT: Willeponteau, Bryant
TITLE OF INVENTION: RNA Component of Telomerase
NUMBER OF SEQUENCES: 42
CORRESPONDENCE ADDRESS:
ADDRESSEE: Hamilton, Brock, Smith & Reynolds, P.C.
STREET: Two Militia Drive
CITY: Lexington
STRTE: Hamilton, Brock, Smith & Reynolds, P.C.
STREET: WA
COUNTRY: US
ZIP: 02173
COMPUTER READBLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: ISP PC-005/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/330,123
FILING DATE: 13-FEB-1995
FILING DATE: 13-FEB-1995
FILING DATE: 07-JUJ-1994
ATTORNEY/AGENT INFORMATION:
NAME: Granahan, Patricia
REGIERRANCE/DOCKET NUMBER: CSHL94-05A3
TELEGOMUNICATION INFORMATION:
TELECOMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Indels
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CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/272,102
FILING DATE: 07-UUL-1994
CLASSIPICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Smith, William M
REGISTRATION NUMBER: 30,223
REFERENCE/DOCKET NUMBER: 15389-000f
FELECOMMUNICATION INFORMATION:
FELEPAX: (415) 326-2400
FELEPAX: (415) 326-2422
FELEPAX: (416) 36-2422
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity 100.0
Matches 19; Conservative
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Score 19; DB 8; Length 26; Pred. No. 7.5;
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ADDRESSE: Hamilton, Brook, Smith & Reynolds, P.C.
STREET: Two Militia Drive
CITY: Lexington
                                                                                                             CURRENT APPLICATION DATA:

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/482,115A
FILING DATE: 07-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/330,123
FILING DATE: 27-OCT-1994
PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/32,102
FILING DATE: 107-1994
ATTORNEY/AGENT INFORMATION:

NAME: Smith, William M
REGISTRATION NUMBER: 13389-000830
TELECOMMUNICATION NUMBER: 15389-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SOFTWARE: PatentIn Release #1.0, Version #1.30 CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/520,550
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: Feng, Junii
APPLICANT: Funk, Walter
APPLICANT: Greider, Carol
APPLICANT: Marhuenda, Maria A. B.
APPLICANT: Villeponteau, Bryant
TITLE OF INVENTION: RNA Component of Telomerase
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Mismatches
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29-AUG-1995
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PRICE ASTRICTION DATA:
APPLICATION NUMBER: US 08/387,524
FILING DATE: 13-FEB-1995
PRIOR APPLICATION DATA:
                                                        COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 19, Application US/08520550 GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TELEFAX: (415) 326-2422
INFORMATION FOR BEG ID NO: SEQUENCE CHARACTERISTICS:
LENGTH: 26 base pairs
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Best Local Similarity 100.
Matches 19; Conservative
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STRANDEDNESS: single
COMPUTER READABLE FORM:
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MEDIUM TYPE: Floppy
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Pred. No. 7.5;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                           COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/472,802B
FILING DATE: 07-JUN-1995
CLASSIFICATION DATA:
APPLICATION NUMBER: US 08/272,102
FILING DATE: 07-JUL-1994
PRIOR APPLICATION NUMBER: US 08/330,123
FILING DATE: 27-OCT-1994
ATPONEY/AGENT INFORMATION:
ANDER CASE OF THE CA
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APPLICANT: FENG, Junii
APPLICANT: FENG, Junii
APPLICANT: FONK, Walter
APPLICANT: ANDREWS, William H.
TITLE OF INVENTION: HUMAN TELOMERASE
NUMBER OF SEQUENCES: 34
CORRESONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, 8th Floor
CITY: San Francisco
                                                                                                                                                                                                                                                                                                               ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
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                                                                                                             APPLICANT: Villeponteau, Bryant
APPLICANT: Feng, Junli
APPLICANT: Andrews, William H.
TITLE OF INVENTION: Mammalian Telomerase
NUMBER OF SEQUENCES: 43
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-08-472-802B-24; Sequence 24, Application US/08472802B; GENERAL INFORMATION:
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TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 24:
SEQUENCE CHARACTERISTICS:
LENGTH: 26 base pairs
TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      REFERENCE/DOCKET NUMBER: II
TELECOMMUNICATION INFORMATION
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity 100.0%;
Matches 19; Conservative 0
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STATE: Ca
COUNTRY:
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PELLORATION NUMBER: US 08/330,123

FILING DATE: 27-OCT-1994

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/272,102

FILING DATE: 07-JUL-1994

ATTORNEY/AGENT INFORMATION:

NAME: Granahan, Patricia

REGISTRATION NUMBER: 32,227

REFRENCE/COCKET NUMBER: CSHL94-05A3B

TELEFONNICATION INFORMATION:

TELEFONNICATION INFORMATION:

TELEFONNIC 617-861-6540

INFORMATION FOR SEQ ID NO: 19:

SEQUENCE CHARACTERISTICS:

LENGTH: 26 base pairs

TYPE: uncleic acid

STRANDEDNESS: single

TOPOLOGY: linear

US-08-520-550-19

Query Match

Query Match

Rest Local Similarity 100.0%; Pred. No. 7.5;

Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Search completed: June 25, 2003, 06:20:26 Job time : 1612.81 secs

1 GCTCTAGAATGAACGGTGG 19

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Sequence 60549, A Sequence 63879, A Sequence 63889, A Sequence 63899, A Sequence 11, Appl Sequence 13, Appl Sequence 12, Appl Sequence 12, Appl Sequence 12, Appl Sequence 12, Appl Sequence 2553, Appl Sequen

0 US-09-810-521-14 US-09-910-521B-31 US-10-913-65-16 US-10-013-66-16 US-10-098-263-8-1399 US-10-098-263-8-6399 US-10-098-263-8-63879 US-10-098-263-8-63879 US-10-098-263-8-63879 US-10-098-263-8-63879 US-10-098-263-8-63879 US-10-098-263-8-63879 US-10-098-263-8-63879 US-10-098-263-8-63879 US-10-098-263-8-6497 US-10-098-263-8-6497 US-10-098-263-8-13 US-10-098-263-8-15 US-10-098-263-8-15 US-10-098-263-8-15 US-10-098-263-8-1155 US-10-098-263-8-1153 US-10-098-263-8-1153 US-10-098-263-8-1153 US-10-098-263-8-1153 US-10-098-263-8-1153 US-10-098-263-8-1153 US-10-098-263-8-1153 US-10-098-263-8-1153

Sequence Sequence Sequence Sequence

ALIGNMENTS

Sequence 2368, Ap Sequence 1399, Ap Sequence 28728, A Sequence 44232, A

Sequence 14, Appl Sequence 31, Appl Sequence 16, Appl

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5: /cgn2_6/ptodata/1/pubpna/US06_PUBCOMB.seq:*
6: /cgn2_6/ptodata/1/pubpna/PUSMF PUB.seq:*
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11: /cgn2_6/ptodata/1/pubpna/US09_PUBCOMB.seq:*
11: /cgn2_6/ptodata/1/pubpna/US09_PUBCOMB.seq:*
13: /cgn2_6/ptodata/1/pubpna/US09_PUBCOMB.seq:*
14: /cgn2_6/ptodata/1/pubpna/US09_PUBCOMB.seq:*
14: /cgn2_6/ptodata/1/pubpna/US09_NEW PUB.seq:*
14: /cgn2_6/ptodata/1/pubpna/US00_NEW PUB.seq:*
14: /cgn2_6/ptodata/1/pubpna/US00_NEW PUB.seq:*
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GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.
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Maximum Match 100%
Listing first 45 summaries
                                                                                         nucleic search, using sw model
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Gapop 10.0 , Gapext 1.0
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19
1 GCTCTAGAATGAACG
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Perfect score:
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                                                                                                                                             Run on:
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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	Description	Sequence 312, App	Sequence 312, App	Ξ,	Sequence 64498, A	Sequence 3, Appli		Sequence 19, Appl	Sequence 255, App	Sequence 234, App	Sequence 235, App	Sequence 409, App	11894	Sequence 3, Appli	Sequence 12114, A	Sequence 12846, A	Sequence 20598, A	Sequence 53938, A	Sequence 69798, A	Sequence 7103, Ap
	· ID	US-10-044-692-312	US-10-044-539-312	US-09-057-351-23	US-10-098-263B-64498	US-10-139-483-3	US-10-098-263B-51583	US-09-952-522B-19	US-10-090-182A-255	US-10-090-182A-234	US-10-090-182A-235	US-10-090-182A-409	US-10-098-263B-118949	US-09-844-006A-3	US-10-215-112-12114	US-10-215-112-12846	US-10-098-263B-20598	US-10-098-263B-53938	US-10-098-263B-69798	US-09-848-754A-7103
	0.8	٩	σ	2	σ	σ	σ	σ	σ	0	0	σ	σ	20	σ	σ	σ	٥	σ	6
	Query Match Length DB	26	26	26	25	31	25	26	40	41	45	45	25	28	25	25	25	25	25	31
عن	Query Match	100.0	100.0	100.0	72.6	72.6	69.5	69.5	69.5	69.5	69.5	69.5	68.4	68.4	67.4	67.4	67.4	67.4	67.4	67.4
	Score	19	19	19	13.8	13.8	13.2	13.2	13.2	13.2	13.2	13.2	13	13	12.8	12.8	12.8	12.8	12.8	12.8
	Result No.	1	7	æ	C 4	Ŋ	9	7	89	6	c 10	c 11	c 15	13	c 14	15	16	c 17	c 18	19

	DIAGNOSTIC AND
SULT 1 -10-044-692-312 Sequence 312, Application US/10044692 Sequence 312, Application US/1004692 Publication No. US20030096344A1 GENERAL INFORMATION Lingmer, Joachim Nakamura, Toru Chapman, Karen B. Morin, Gregg B. Harley, Yalvin Andrews, Valvin	HUMAN TELOMERASE CATALYTIC SUBUNIT: THERAPEUTIC METHODS 5SS: 5SS: 5SS: 5SS: 5SS: 5SS: 5SS: 5S
RESULT 1 US-10-044-692-312 Sequence 312, Application US/10 Publication No. US20030096344A1; GENERAL INFORMATION: APPLICANT: Cech, Thomas Information Conditions and Conditi	NUMBER OF SEQUENCES CORRESPONDENCE ADDRA ADDRASSES. TOW THE SAN FRANCE CITY: SAN FRANCE CONTRESSES. TOW STREET: TWO EMI CITY: SAN FRANCE CONTRESSES. TOW TOWN COMPUTER: CALL FORT OPERATING SYSTI SOFTWARE: 1BM P OPERATING SYSTI SOFTWARE: 1BM P OPERATING DATE: 10 FILING DATE: 10 PRIOR APPLICATION NUM FILING DATE: 04 PRICATION NUM FILING DATE: 18

0; Gaps

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100.0%; Score 19; DB 9; Length 26; larity 100.0%; Pred. No. 0.72; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CURRENT APPLICATION DATA:

SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/057,351
FILING DATE: 08-APR-1994
CLASSIFICATION 1435
PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/272,102
FILING DATE: 07-JUL-1994
PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/330,123
FILING DATE: 27-OCT-1994
PRIOR APPLICATION NUMBER: US 08/472,802
FILING DATE: 07-JUN-1995
ATPONENTYAGENT INFORMATION:
NAME: Storella, John R.

REGISCRATION NUMBER: 32,944
                                                      015389-002600US
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Townsend and Crew LLP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       STREET: Two Embarcadero Center, Bighth Floor
CITY: San Francisco
STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: Villeponteau, Bryant
APPLICANT: Feng, Juni
APPLICANT: Funk, Walter
APPLICANT: Andrews, William H.
TITLE OF INVENTION: Mammalian Telomerase
NUMBER OF SEQUENCES: 42
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew
STREET: Two Embarcadero Center, Eighth Fl
                                                                                                                                                                                                                                                                  TOPOLOGY: linear

MOLECULE TYPE: DNA
SEQUENCE DESCRIPTION: SEQ ID NO: 312:
US-10-044-539-312
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
CMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                   REFERENCE/DOCKET NUMBER:
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 23, Application US/09057351
Patent No. US20010034439A1
GENERAL INFORMATION:
                                                                                                                         TELEFAX: (415) 576-0300 INFORMATION FOR SEQ ID NO: 312: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1 GCTCTAGAATGAACGGTGG 19
                                                                                                                                                                                                    LENGTH: 26 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                 TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 2
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             LENGTH: 26 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity
Matches 19; Conserva
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     STATE: Californie
COUNTRY: USA
ZIP: 94111-3834
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: nucleic
STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TELEPHONE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-09-057-351-23
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TITLE OF INVENTION: HUMAN TELOMERASE CATALYTIC SUBUNIT: DIAGNOSTIC AND
THERAPEUTIC METHODS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ö
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity 100.0%; Pred. No. 0.72;
Matches 19; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        MEDIUM TYPE: Floppy disk
COMPUTER: 1BM PC compatible
SERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
                                                              NAME: Apple, Randolph T.
REGISTRATION NUMBER: 36,429
REGISTRATION NUMBER: 36,429
REFERENCE/DOCKET NUMBER: 015389-002600US
TELECOMMUNICATION INFORMATION:
TELEFANE: (415) 576-0300
INFORMATION FOR SEQ ID NO: 312:
SEQUENCE CHARACTERISTICS:
LENGTH: 26 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew
STREET: Two Embarcadero Center, 8th Floor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICATION NUMBER: 08/912,951
FILING DATE: 'Unknown' APPLICATION NUMBER: US 08/854,050
FILING DATE: 09-WAY-1997
APPLICATION NUMBER: US 08/851,843
FILING DATE: 06-WAY-1997
APPLICATION NUMBER: US 08/846,017
FILING DATE: 25-APR-1997
APPLICATION NUMBER: US 08/844,419
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         STATE: California
CUUNTRY: United States of America
ZIP: 94111
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
APPLICATION NUMBER: US 08/724,643
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/10/044,539
FILING DATE: 11-Jan-2002
CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                           ; TOPOLOGY: linear; MOLECULE TYPE: DNA SEQUENCE DESCRIPTION: SEQ ID NO: 312: US-10-044-692-312
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             uence 312, Application US/10044539
lication No. US20030100093A1
ENERAL INFORMATION:
                         FILING DATE: 01-OCT-1996
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: Cech, Thomas R.
Lingner, Joachim
Nakamura, Toru
Chapman, Karen B.
Morin, Gregg B.
Harley, Calvin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICATION NUMBER: US 08
FILING DATE: 01-OCT-1996
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           5 GCTCTAGAATGAACGGTGG 23
                                                                                                                                                                                                                                                                                               TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CITY: San Francisco
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NUMBER OF SEQUENCES: 335
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PRIOR APPLICATION DATA:
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FILE REPERENCE: 30448.770S11
CURRENT APPLICATION NUMBER: US/09/952,522B
CURRENT FILING DATE: 2001-09-10
PRIOR PELICATION NUMBER: PCT/US00/06232
PRIOR FILING DATE: 2000-03-10
PRIOR PILING DATE: 1999-03-10
PRIOR PELICATION NUMBER: 60/162,462
PRIOR PELICNG DATE: 1999-10-29
NUMBER OF SEQ ID NOS: 58
SOFTWARE: PATCHIN Ver. 2.1
SEQ ID NO 19
LENGTH: 26
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match

69.5%; Score 13.2; DB 9; Length 26;
Best Local Similarity 83.3%; Pred. No. 1e+03;
Matches 15; Conservative 0; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                69.5%; Score 13.2; DB 9; Length 25; 83.3%; Pred. No. 1e+03; ive 0; Mismatches 3; Indel8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ) OTHER INFORMATION: Description of Artificial Sequence: Bone ; OTHER INFORMATION: sialoprotein forward primer US-09-952-522B-19
                                                                                                                                                                                                                                                                                                                                                                                                                              NUMBER OF SEQ ID NOS: 131066
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 51583
LENGTH: 25
                                                                                                                                                                                                                                                APPLICANT: Mittman, Michael
TITLE OF INVENTION: Human Microarray
FILE REFERENCE: 3118.1
CURRENT APPLICATION NUMBER: US/10/098,263B
CURRENT FILING DATE: 2003-01-08
PRIOR APPLICATION NUMBER: 60/276,759
PRIOR FILING DATE: 2001-03-16
                                                                                                                                                                          ; Sequence 51583, Application US/10098263B; Publication No. US20030104410A1; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ; Sequence 19, Application US/09952522B
; Publication No. US20030082152A1
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Llull, Ramon
Futrell, J. William
Hedrick, Marc H.
Benhaim, Prosper
Lorenz, Hermann Peter
Zhu, Min
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   2 CTCTAGAATGAACGGTGG 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    7 crcracacrcaccrcc 24
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: DNA
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity 83.3:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Katz, Adam J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ; ORGANISM: Homo sapien
US-10-098-263B-51583
                                                                                                                                                      US-10-098-263B-51583
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-09-952-522B-19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: DNA
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Publication No. US20030055266A1
GENERAL INFORMATION:
APPLICANT: Beeley, Nigel R
APPLICANT: Beeley, Nigel R
APPLICANT: Beeley, Dominic P
APPLICANT: Chalmers, Derek T
APPLICANT: Mensaghi, Frederique
APPLICANT: Strah-Pleynet, Sonja
TITLE OF INVENTION: Small Molecule Modulators Of G Protein-Coupled Receptor
FILE OF INVENTION: Small Molecule Modulators Of G Protein-Coupled
FILE APPLICATION NUMBER: US/10/139,483
FRIOR APPLICATION NUMBER: US/99/513,838
FRIOR PILING DATE: 2000-02-25
FRIOR PILING DATE: 2000-02-25
FRIOR PILING DATE: 1999-07-30
NUMBER OF SEQ ID NOS: 6
FOUNDAMER: Patentin Ver. 2.1
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Pred. No. 4.9e+02;
0; Mismatches 2; Indels
                                                                                               Query Match 100.0%; Score 19; DB 10; Length 26; Best Local Similarity 100.0%; Pred. No. 0.72; Matches 19; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             72.6%; Score 13.8; DB 9; Length 25; 88.2%; Pred. No. 4.8e+02; tive 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NUMBER OF SEQ ID NOS: 131066
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: Mittman, Michael
TITLE OF INVENTION: Human Microarray
FILE REFERENCE: 3118.1
CURRENT APPLICATION NUMBER: US/10/098,263B
CURRENT FILING DATE: 2003-01-08
PRIOR APPLICATION NUMBER: 60/276,759
PRIOR FILING DATE: 2001-03-16
                                                                                                                                                                                                                                                                                                                                                                     Sequence 64498, Application US/10098263B Publication No. US20030104410A1 GENERAL INFORMATION:
                                                                                                                                                                                                                            5 GCTCTAGAATGAACGGTGG 23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  3 TCTAGAATGAACGGTGG 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         72.6%;
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Best Local Similarity 88.29
Matches 15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match 72.6
Best Local Similarity 88.2
Matches 15; Conservative
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ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ; TYPE: DNA
; ORGANISM: Homo sapien
US-10-098-263B-64498
; TOPOLOGY: linear; MOLECULE TYPE: DNA US-09-057-351-23
                                                                                                                                                                                                                                                                                                                                                   US-10-098-263B-64498/C
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SEQ ID NO 64498
LENGTH: 25
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LENGTH: 31
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Sarah

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Methods of Ex-vivo Expansion of
Hematopoietic Cells Using Interleukin-3 (IL-3) Multiple
Mutation Polypeptides
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADDRESSEE: S. Christopher Bauer, Pharmacia Corp
Corporate Patent Dept. Mail Zone O4E
STREET: 800 N. Lindbergh Blvd.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
                                                            Sequence 234, Application US/10090182A Publication No. US20030103936A1
                                                                                                                                                                                                                                                                                                                                                               TITLE OF INVENTION: Methods of
                                                                                                                                                        Bauer, S. C.
Braford-Goldberg,
Caparon, Maire H.
Easton, Alan M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                 McKearn, John P.
Olins, Peter O.
Paik, Kumnan
                                                                                                                                                                                                                                                   Klein, Barbara K.
                                                                                                                                APPLICANT: Abrams, Mark A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ZIP: 63167
COMPUTER READABLE FORM:
                                                                                                                                                                                                                                                                                                                                                                                                                              NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CITY: St. Louis
STATE: Missouri
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                            Thomas,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TELEFAX:
                     RESULT 9
US-10-090-182A-234
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     g
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                                                                                                                                                                                                                                                                                                                                                                                                    TITLE OF INVENTION: Methods of Ex-vivo Expansion of Hematopoietic Cells Using Interleukin-3 (IL-3) Multiple Mutation Polypeptides
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              69.5%; Score 13.2; DB 9; Length 40; 83.3%; Pred. No. 1.1e+03; rive 0; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADDRESSEE: S. Christopher Bauer, Pharmacia Corp
Corporate Patent Dept. Mail Zone 04E
STREET: 800 N. Lindbergh Blvd.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COMPUTER: IBM PC Compatible
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/090,182A
FILING DATE: 03-Apr-2002
CLASSIFICATION: <Unknown>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICATION NUMBER: 08/764,114
FILING DATE: 09-DEC-1996
APPLICATION NUMBER: US 07/981,044
FILING DATE: 24-NOV-1992
APPLICATION NUMBER: PCT/US93/11197
FILING DATE: 22-NOV-1993
                                                                                                                                                                                                    Bauer, S. C.
Braford-Goldberg, Sarah R.
Caparon, Maire H.
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MOLECULE TYPE: DNA (synthetic)

SEQUENCE DESCRIPTION: SEQ ID NO: 255:
US-10-090-182A-255
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICATION NUMBER: 08/411,795
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NAME: S. Christopher Bauer
REGISTRATION NUMBER: 42,305
                                                                                                           Sequence 255, Application US/10090182A Publication No. US20030103936A1 GENERAL INFORMATION:
APPLICANT: Abrams, Mark A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ZIP: 63167
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     FILING DATE: 04-JUN-1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TELECOMMUNICATION INFORMATION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        FELEPHONE: (636)737-625
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            REFERENCE/DOCKET NUMBER
                                                                                                                                                                                                                                                                                                                McKearn, John P.
Olins, Peter O.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ATTORNEY/AGENT INFORMATION
1 GCTCTAGAATGAAGACTG 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            LENGTH: 40 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    GCTCTATAATGATCGATG 29
                                                                                                                                                                                                                                                                        Easton, Alan M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                    John W
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (736) 737-62
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     INFORMATION FOR SEQ ID NO: 255
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NUMBER OF SEQUENCES: 415
                                                                                                                                                                                                                                                                                                                                         Olins, Peter
Paik, Kumnan
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CORRESPONDENCE ADDRESS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity 83.3
Matches 15, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CITY: St. Louis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                STATE: Missouri
                                                                                                                                                                                                                                                                                                                                                                                        homas,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COUNTRY: USA
                                                                                        US-10-090-182A-255
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                                                                   RESULT
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Pred. No. 1.1e+03;
0; Mismatches 3;
                                                                            PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/764,114
FILING DATE: 09-DEC-1996
APPLICATION NUMBER: US 07/981,044
FILING DATE: 24-NOV-1992
APPLICATION NUMBER: PCT/US93/11197
FILING DATE: 22-NOV-1993
APPLICATION NUMBER: 08/411,795
FILING DATE: 04-JUN-1995
ATTORNEY/AGENT INFORMATION:
                 APPLICATION NUMBER: US/10/090,182A
                                                                                                                                                                                                                                                                                                                                          REFERENCE/DOCKET NUMBER: C2713/12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TOPOLOGY: linear MOLECULE TYPE: DNA (synthetic) SCUENCE DESCRIPTION: SEQ ID NO: 234: US-10-090-182A-234
                                                                                                                                                                                                                                                                                                                        REGISTRATION NUMBER: 42,30
                                                                                                                                                                                                                                                                                                    NAME: S. Christopher Bauer
                                        FILING DATE: 03-Apr-2002
CLASSIFICATION: <Unknown>
                                                                                                                                                                                                                                                                                                                                                              TELECOMMUNICATION INFORMATION:
TELEPHONE: (636)737-6257
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        18
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                            LENGTH: 41 base pairs
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     STRANDEDNESS: single
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Best Local Similarity 83.3%;
Matches 15; Conservative
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RESULT 10

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metnods of Ex-vivo Expansion of Hematopoietic Cells Using Interleukin-3 (IL-3) Multiple Mutation Polypeptides
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COMPUTER READABLE FORM:
MEDLUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRITY APPLICATION DATA:
APPLICATION NAMBER: US/10/090,182A
FILING DATE: 03-Apr-2002
CLASSIFICATION: cUnknown>
                                                                                                                                                                                                                                                                                                                                    NUMBER OF SEQUENCES: 415
CORRESPONDENCE ADDRESS:
ADDRESSEE: S. Christopher Bauer, Pharmacia Corp
Corporate Patent Dept. Mail Zone 04E
STREET: 800 N. Lindbergh Blvd.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICATION NUMBER: 08/764,114
FILING DATE: 09-DEC-1996
APPLICATION NUMBER: US 07/981,044
FILING DATE: 24-NOV-1992
APPLICATION NUMBER: PCT/US93/11197
FILING DATE: 22-NOV-1993
APPLICATION NUMBER: 08/411,795
FILING DATE: 04-UUN-1993
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NAME: S. Christopher Bauer
REGISTRATION NUMBER: 42,305
REFERENCE/DOCKET NUMBER: C2713/12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TOPOLOGY: linear
MOLECULE TYPE: DNA (synthetic)
SEQUENCE DESCRIPTION: SEQ ID NO: 409:
                                                                                            Sarah R.
                                                                                        Braford-Goldberg,
Caparon, Maire H.
Easton, Alan M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TELECOMMUNICATION INFORMATION
                                                                                                                                                        Klein, Barbara K.
McKearn, John P.
Olins, Peter O.
Paik, Kumnan
                                                                                                                                                                                                                                                                        TITLE OF INVENTION: Methods
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ATTORNEY/AGENT INFORMATION
                                                APPLICANT: Abrams, Mark A.
                                                                                                                                                                                                                                                     Thomas, John W
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           INFORMATION FOR SEQ ID NO: 409
      ; Publication No. US20030103936A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SEQUENCE CHARACTERISTICS
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                                                                     Bauer, S. C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                 CITY: St. Louis
STATE: Missouri
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-10-090-182A-409
                         GENERAL
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                                                                                                                                                                                                                                                                                                                    Expansion of
9 Using Interleukin-3 (IL-3) Multiple
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0
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                                                                                                                                                                                                                                                                                                                                                                                                                         ADDRESSEE: S. Christopher Bauer, Pharmacia Corp
Corporate Patent Dept. Mail Zone O4E
STREET: 800 N. Lindbergh Blvd.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
PILING DATE: 03-002
CLASSIFICATION: <unhaper: 2002
                                                                                                                                                                                                                                                                                                                                        Hematopoietic Cells U
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APPLICATION NUMBER: 08/764,114
FILING DATE: 09-DC-1996
APPLICATION NUMBER: US 07/981,044
FILING DATE: 24-NOV-1992
APPLICATION NUMBER: PCT/US93/11197
FILING DATE: 22-NOV-1993
APPLICATION NUMBER: 08/411,795
FILING DATE: 04-JUN-1995
                                                                                                          Bauer, S. C.
Braford-Goldberg, Sarah R.
Caparon, Maire H.
Easton, Alan M.
Klein, Barbara K.
McKearn, John P.
Olins, Peter O.
Paik, Kumnan
                                                                                                                                                                                                                                                                                          Thomas, John W.
TITLE OF INVENTION: Methods of Ex-vivo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NAME: S. Christopher Bauer
REGISTRATION NUMBER: 42,305
REFERENCE/DOCKET NUMBER: C2713/12
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TOPOLOGY: linear MOLECULE TYPE: DNA (synthetic) SCUENCE DESCRIPTION: SEQ ID NO: 235: US-10-090-182A-235
                       235, Application US/10090182A ion No. US20030103936A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ZIP: 63167
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TELEPHONE: (636)737-6257
TELEFAX: (736)737-6257
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ATTORNEY/AGENT INFORMATION:
                                                                                          APPLICANT: Abrams, Mark A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 GCTCTAGAATGAACGGTG 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               69.5%;
                                                                                                                                                                                                                                                                                                                                                                             NUMBER OF SEQUENCES: 415
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match 69.5
Best Local Similarity 83.3
Matches 15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CITY: St. Louis
STATE: Missouri
COUNTRY: USA
                                                                GENERAL INFORMATION
US-10-090-182A-235/c
                                              lication No.
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US-10-098-263B-118949/c
; Sequence 118949, Application US/10098263B
; Publication No. US20030104410A1
; GRNERAL INFORMATION:

; Sequence 409, Application US/10090182A

RESULT 11 US-10-090-182A-409/c

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RESULT 12

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Gaps

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Query Match 67.4%; Score 12.8; DB 9; Length 25; Best Local Similarity 87.5%; Pred. No. 1.7e+03; Matches 14; Conservative 0; Mismatches 2; Indels
                                                                                          ; FEATURE:
; OTHER INFORMATION: Synthetic Oligonucleotide
US-10-215-112-12114
                                                  TYPE: DNA ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                          RESULT 15
US-10-215-112-12846
             SEQ ID NO 12114
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          FEATURE:
                                   LENGIH:
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Patent No. US20020083496A1
GENERAL INPORMATION:
APPLICANT: Watt, Sarah
APPLICANT: TSOU, Pei-Lan
APPLICANT: Robertson, Dominique
APPLICANT: Robertson, Transgenic Plants With INCREASES IN CALCIUM STORES
FILE REFERENCE: 5051.503
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APPLICANT: Mittman, Michael
TITLE OF INVENTION: Human Microarray
FILE REFERENCE: 31181
CURRENT APPLICATION NUMBER: US/10/098,263B
CURRENT FILING DATE: 2003-01-08
PRIOR APPLICATION NUMBER: 60/276,759
PRIOR FILING DATE: 2001-03-16
NUMBER OF SEQ ID NOS: 131066
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
LENGTH: 25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 28;
                                                                                                                                                                                                                                                                                                                              Length 25;
                                                                                                                                                                                                                                                                                                                                                                      0; Indels
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Publication No. US20030082596A1
GENERAL INFORMATION:
APPLICANT: Michael Mittmann
TITLE OF INVENTION: Method of Genetic Analysis of Probes:
TITLE OF INVENTION: Test3
FILE REFERENCE: 3119
CURRENT APPLICATION NUMBER: US/10/215,112
CURRENT APPLICATION DATE: 2002-08-08
NUMBER OF SEQ ID NOS: 14936
SOFTWARE: FastSEQ for Windows Version 4.0
                                                                                                                                                                                                                                                                                                                              DB 9; Le
1.3e+03;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match 68.4%; Score 13; DB 10; L
Best Local Similarity 100.0%; Pred. No. 1.3e+03;
Matches 13; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PEATURE:
NAME/KEY: misc feature
LOCATION: (1)...(28)
JOCHER INFORMATION: Synthetic Oligonucleotide.
US-09-844-006A-3
                                                                                                                                                                                                                                                                                                                                                                        Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CURRENT APPLICATION NUMBER: US/09/844,006A
CURRENT FILING DATE: 2001-04-30
                                                                                                                                                                                                                                                                                                                              Score 13;
Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PRIOR APPLICATION NUMBER: 60/200,233
PRIOR PILING DATE: 2000-04-30
PRIOR FILING DATE: 2000-04-28
NUMBER OF SEQ ID NOS: 8
SOFTWARE: Patentin version 3.0
SEQ ID NO 3
LENGTH: 28
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Best Local Similarity 100.0%; P.
Matches 13; Conservative 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: DNA ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                              3 TCTAGAATGAACG 15
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                                                                                                                                                                                                                                                                                                                                                                                                                                        20 TCTAGAATGAACG 8
                                                                                                                                                                                                                                                       ; ORGANISM: Homo sapien
US-10-098-263B-118949
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                                                                                                                                                                                                                                               APPLICANT: Michael Mittmann
TITLE OF INVENTION: Method of Genetic Analysis of Probes:
TITLE OF INVENTION: Test3
FILE REFERENCE: 3119
CURRENT APPLICATION NUMBER: US/10/215,112
CURRENT FILING DATE: 2002-08-08
NUMBER OF SEQ ID NOS: 14936
SEQ ID NOS: 14936
SEQ ID NO 12846
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match 67.4%; Score 12.8; DB 9; Best Local Similarity 87.5%; Pred. No. 1.7e+03; Matches 14; Conservative 0; Mismatches 2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ) OTHER INFORMATION: Synthetic Oligonucleotide US-10-215-112-12846
                                                                                                                                                                           ; Sequence 12846, Application US/10215112; Publication No. US20030082596A1; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Search completed: June 25, 2003, 22:25:07
Job time : 58.757 secs
1 GCTCTAGAATGAACGG 16
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                                               21 GCTCTAGAACGGACGG 6
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8, App
, Appl
                                                                                         June 24, 2003, 22:17:30 ; Search time 28.8406 Seconds (without alignments) 202.036 Million cell updates/sec
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 9,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 23
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Sequence 24
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'Cgn2_6/ptodata/2/ina/5A_COMB.seq:*
'Cgn2_6/ptodata/2/ina/5B_COMB.seq:*
'Cgn2_6/ptodata/2/ina/6A_COMB.seq:*
'Cgn2_6/ptodata/2/ina/6B_COMB.seq:*
'Cgn2_6/ptodata/2/ina/PCTUS_COMB.seq:*
'Cgn2_6/ptodata/2/ina/PCTUS_COMB.seq:*
'Cgn2_6/ptodata/2/ina/Packflles1.seq:*
5.1.6
Compugen Ltd.
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US-08-330-113A-23
US-08-482-115B-23
US-08-482-115B-23
US-08-60-678A-23
US-08-472-802-24
US-08-472-802-24
US-08-95-778-19
US-08-974-5-9A-19
US-08-99-20-117A-26
US-09-20-117A-26
US-09-20-117A-26
US-09-20-117A-26
US-09-20-117A-26
US-09-20-117A-26
US-09-20-117A-26
US-09-20-117A-26
US-09-20-117A-26
US-09-20-20-20-20
US-09-20-20-20-20
US-09-374-549A-543
US-08-974-549A-543
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US-08-469-319A-255
US-08-764-114-255
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PCT-US96-05291A-2
                                                                                                                                                                                                                                                                         441362 segs, 153338381 residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SUMMARIES
GenCore version
Copyright (c) 1993 - 2003
                                                                                                                                                                                                                                                                                                                                                                                      Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
                                                            nucleic search, using sw model
                                                                                                                                                                                        GCTCTAGAATGAACGGTGG 19
                                                                                                                                                                                                                        IDENTITY NUC
Gapop 10.0 , Gapext 1.0
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Match Length
                                                                                                                                                                                                                                                                                                                                         seq length: 0
seq length: 50
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13.2
13.2
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Perfect score:
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15.8
15.8
15.4
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Maximum I
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Sequence
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APPLICANT: Weinrich, Scott L.
TITLE OF INVENTION: Methods for Detecting the RNA Component of
TITLE OF INVENTION: Telomerase
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS: ADDRESSER: TOWNSEND and TOWNSEND and CREW LLP
STREET: Two Embarcadero Center, 8th Floor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    100.0%; Score 19; DB 2; Length 19; 100.0%; Pred. No. 0.13; cive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         STALL
COUNTRY: USA
ZIP: 9411-3834

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION UNMER: US/08/770,565
FILING DATE: 20-DEC-1996
--AATION: --AATION:
US-08-469-419-255
US-08-411-795B-234
US-08-469-319A-234
US-08-411-795B-235
US-08-411-795B-235
US-08-411-795B-235
US-08-469-319A-235
US-08-469-319A-235
US-08-469-319A-235
US-08-469-319A-235
US-08-469-419-235
US-08-469-419-235
US-08-469-419-409
US-08-469-419-409
US-08-489-498-35
US-08-489-498-35
US-08-489-498-35
US-08-88-33-340-15
US-08-88-33-340-16
US-08-480-604A-16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            FILING DATE: 20-DEC-196
CLASSIFICATION: 435
ATTORNEY/AGENI INFORMATION:
NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
RECISTRATION NUMBER: 32,944
RECOMMUNICATION INFORMATION:
TELEPHONE: 415-576-0200
TELEPHONE: 415-576-0200
INFORMATION FOR SEQ ID NO: 9:
SEQUENCE CHARACTERISTICS:
LENGTH: 19 Dase pairs
                                                                                                                                                                                                                                             ALIGNMENTS
                                                                                                                                                                                                                                                                                                       Sequence 9, Application US/08770565
Patent No. 5846723
GENERAL INFORMATION:
APPLICANT: Kim, Nam Woo
                                                                                                                                                                                                                                                                                                                                           APPLICANT: Kim, Nam Woo
APPLICANT: Wu, Fred
APPLICANT: Kealey, James T.
APPLICANT: Pruzan, Ronald
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match 100.
Best Local Similarity 100.
Matches 19; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CITY: San Francisco
STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                nucleic acid
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 , MOLECULE TYPE: DNA
US-08-770-565-9
   US-08-770-565-9
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1 GCTCTAGAATGAACGGTGG 19

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Sequence

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DB 1; Length 26; 0.14;
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ZIP: 9411-3834

COMPUTER READBLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/660,678A

FILING DATE: 05-JUN-1996

CLASSIFICATION: 435

PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              GENERAL INFORMATION:
APPLICANT: Villeponteau, Bryant
APPLICANT: Villeponteau, Bryant
APPLICANT: Feng, Junil
APPLICANT: Funk, Walter
APPLICANT: Andrews, William H.
TITLE OF INVENTION: Mammalian Telomerase
NUMBER OF SEQUENCES: 30
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Bighth Floor
CITY: San Francisco
                                                                                ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
Two Embarcadero Center, Eighth Floor
                                                                                                                                                                                                                                                PERFORMANCE APPLICATION NUMBER: US/08/482,115B
FILING DATE: 07-JUN-1995
CLASSIFICATION 435
FILING DATE: 07-JUN-1995
FILING DATE: 07-JUN-1994
FILING DATE: 07-JUN-1994
FILING DATE: 07-JUN-1994
APPLICATION NUMBER: US 08/330,123
FILING DATE: 27-COT-1994
ATTORNEY AGENT INFORMATION:
NAME: STORELLA, JOHN R.
REGISTRATION NUMBER: 32,944
REGISTRATION NUMBER: 32,944
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION OF SEQUENCE: (415) 576-0300
INFORMATION FOR SEQ ID NO: 23:
SEQUENCE CHARACTERISTICS:
TWOST.
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Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 23, Application US/08660678A Patent No. 5837857
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Best Local Similarity 100.
Matches 19; Conservative
                 San Francisco
California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: nucleic acid
STRANDEDNESS: sing
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       linear
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                                                                   COUNTRY:
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APPLICANT: Feng, Junii
APPLICANT: Feng, Junii
APPLICANT: Andrews, William H.
TITLE OF INVENTION: Telomerase
NUMBER OF SEQUENCES: 40
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match 100.0%; Score 19; DB 1; Length 26; Best Local Similarity 100.0%; Pred. No. 0.14; Matches 19; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                      APPLICANT: VILLEPORTEAU, Bryant
APPLICANT: FENG, Junia
APPLICANT: FENG, Junia
APPLICANT: FUNK, Walter
APPLICANT: FUNK, Walter
APPLICANT: FUNK, Walter
APPLICANT: HUNENS, William H.
TITLE OF INVENTION: HUMAN TELOMERASE
NUMBER OF SEQUENCES: 25
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend Khourie and Crew
STREET: 379 Lytton Avenue
CITY: Palo Alto
STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM FC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
APPLICATION NUMBER: US/08/330,123A
FILING DATE: 27-OCT-1994
CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Townsend and Townsend and Crew LLP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/272,102
FILING DATE: 07-UUL-1994
ATTORNEY/AGENT INFORMATION:
NAME: Smith, William M
REGISTRATION NUMBER: 30,23
REFERENCE/DOCKET NUMBER: 15389-000810
TELECOMMUNICATION INFORMATION:
                                                                                                                          Sequence 23, Application US/08330123A Patent No. 5583016 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 23, Application US/08482115B
Patent No. 5776679
          1 GCTCTAGAATGAACGGTGG 19
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TELEFAX: (415) 326-2422
INFORMATION FOR SEQ ID NO: 23
SEQUENCE CHARACTERISTICS:
LENGTH: 26 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      MOLECULE TYPE: DNA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ZIP: 94301
                                                                                                           US-08-330-123A-23
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100.0%; Score 19; DB 2; Length 26; 100.0%; Pred. No. 0.14; cive 0; Mismatches 0; Indels
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                                                                                                                                                                                                                     Conservative
     26 base pairs
                         TYPE: nucleic acid
STRANDEDNESS: single
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COUNTRY: US
ZIP: 02173
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
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                                                                                                ; MOLECULE TYPE: DNA US-08-710-249-26
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Best Local Similarity
Matches 19; Conserv
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TOPOLOGY:
US-08-485-778-19
                                                                         TOPOLOGY:
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Patent No. 5858777

GENERAL INFORMATION:
APPLICANT: Villeponteau, Bryant
APPLICANT: Andrews, William H.
APPLICANT: Adams, Robert R.
TITLE OF INVENTION: Methods and Reagents for Regulating
TITLE OF INVENTION: Telomere Length and Telomerase Activity
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ;
0
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SOFTWARE PATENTIN Release #1.0, Version #1.30
CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/710,249
FILING DATE: 13-SEP-1996
CLASSIFICATION: 536
PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/583,808
FILING DATE: 05-JAN-1996
PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 60/003,492
FILING DATE: 08-SEP-1995
ATTORNEY/AGENT INFORMATION:

NAME: SLOADIN, JOHN R.

REGISTRATION NUMBER: 015389-001220US
TELECOMMUNICATION INFORMATION:

                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADDRESSEE: Townsend and Townsend and Crew LLP STREET: Two Embarcadero Center, Eighth Floor CITY: San Francisco STATE: California COUNTRY: USA COUNTRY: USA COUNTRY: BA111-1834 COMPUTER REALBALE FORM: MEDIUM TYPE: Floppy disk COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                015389-000811US
                                   PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/272,102
FILING DATE: 07-UU-1994
ATTOCNEY, GEBT 107-UU-1994
ATTOCNEY, GEBT 107-UU-1994
ATTOCNEY, GEBT 107-UU-1994
ATTOCNEY, GEBT 107-UU-1994
ATTOCNEY, GEBT 107-UN-1994
REFERENCE, DOCKET NUMBER: 32,944
REFERENCE, DOCKET NUMBER: 015389-0008
TELEPHONE: (415) 576-0200
TELEPHONE: (415) 576-0200
TELEPHONE: (415) 576-0300
INFORMATION FOR SEQ ID NO: 23:
SEQUENCE CHARACTER: 511CS:
LENGTH: 26 base pairs
TYPE: nucleic acid
STRANDENDESS: single
APPLICATION NUMBER: US 08/330,123
FILING DATE: 27-OCT-1994
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 GCTCTAGAATGAACGGTGG 19
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TELEPAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 26:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                            TOPOLOGY: linear
MOLECULE TYPE: DNA
US-08-660-678A-23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity
Matches 19; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  JS-08-710-249-26
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                                                                                                                                                                                                                                                                                                                                                                       ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
                                          GENERAL INCOMMATION:
GENERAL INCOMMATION:
APPLICANT: Andrews, William H.
APPLICANT: Avilion, Ariel Athena
APPLICANT: Feng, Junli
APPLICANT: Funk, Walter
APPLICANT: Greider, Carol
APPLICANT: Marhuenda, Maria Antonia Blasco
APPLICANT: Marhuenda, Maria Antonia Blasco
APPLICANT: Marhuenda, Maria Antonia Blasco
APPLICANT: Willeponteau, Bryant
TILLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NAME: Granahan, Patricia
REGISTRATION NUMBER: 32,227
REFERENCE, DOCKET NUMBER: CSH194-05A4
TELEPHONE: 617-861-6240
TELEPHONE: 617-861-9540
INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
US-08-485-778-19
; Sequence 19, Application US/08485778
; Patent No. 5876979
                                                                                                                                                                                                                                                                        Two Militia Drive
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Query Match
100.0%; Score 19; DB 3; Length 26;
Best Local Similarity 100.0%; Pred. No. 0.14;
Matches 19; Conservative 0; Mismatches 0; Indels
                           APPLICANT: Villeponteau, Bryant
TITLE OF INVENTION: RNA Component of Telomerase
NUMBER OF SEQUENCES: 47
CORRESPONDENCE ADDRESS:
ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
STREET: Two Militia Drive
CITY: Lexington
                                                                                                                                                                                                                                                                                                                                         COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/520,550A
FILING DATE: 29-AUG-1995
CLASSIFICATION NUMBER: US/08/520,550A
FILING DATE: 13-FEB-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/387,524
FILING DATE: 27-OCT-1994
RIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/330,123
FILING DATE: 07-JUL-1994
ATTONNEY/AGENT INFORMATION:
NAME: GTANABAN, PALTICIA
REGISTRATION NUMBER: 32,227
REGISTRATION NUMBER: 32,227
REBERENCE/POCKET NUMBER: CSHL94-05A3B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             GENERAL INFORMATION:
APPLICANT: Villeponteau, Bryant
APPLICANT: Funk, Waller
APPLICANT: Funk, Walter
APPLICANT: Andrews, William H.
TITLE OF INVENTION: Mammalian Telomerase
NUMBER OF SEQUENCES: 30
Marhuenda, Maria A. B.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 23, Application US/08998443
Patent No. 6054575
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 GCTCTAGAATGAACGGTGG 19
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TELECOMMUNICATION INFORMATION TELEPHONE: 617-861-6240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TELEPHONE: 617-861-624
TELEFAX: 617-861-9540
INFORMATION FOR SEQ ID NO:
SEQUENCE CAPARACTERISTICS:
LENGTH: 26 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                SD
                                                                                                                                                                                                                                                                                         COUNTRY: US
ZIP: 02173
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US-08-520-550A-19
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APPLICANT:
                                                                                                                                                                                                                                  CITY: 1
STATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             셤
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Pred. No. 0.14;
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ZIP: 94111-3834
COMPUTER: READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
COMPUTER: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US 08/472,802C
FILING DATE: 07-JUN-1995
CLASSIFICATION NUMBER: US 08/272,102
FILING DATE: 07-JUL-1994
ATTORNEY/AGENT INFORMATION:
PRILING DATE: 27-OCT-1994
ATTORNEY/AGENT INFORMATION:
NAME: SMICH, William M:
REGISTRATION NUMBER: 30,223
REGISTRATIO
                                                                                                                                                                                                                                                                                                                                         APPLICANT: Villeponteau, Bryant
APPLICANT: Villeponteau, Bryant
APPLICANT: Feng, Junii
APPLICANT: Feng, Junii
TITLE OF INVENTION: Mammalian Telomerase
NUMBER OF SEQUENCES: 44
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
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                                                                                                                                                                                                                                                   Sequence 24, Application US/08472802C Patent No. 5958680 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Application US/08520550A
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Funk, Walter
Greider, Caro
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Patent No. 6013468
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Best Local Similarity 100.0%; Pred. No. 0.14;
Matches 19; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: Villeponteau, Bryant
APPLICANT: Villeponteau, Bryant
APPLICANT: Feng, Junii
APPLICANT: Feng, Junii
APPLICANT: Feng, Junii
APPLICANT: Andrews, William H.
TITLE OF INVENTION: Mammalian Telomerase
NUMBER OF SEQUENCES: 25
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
                           APPLICATION NUMBER: US 08 844,419
FILING DATE: 18-APR-1997
RIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/846,017
FILING DATE: 25-APR-1997
RIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/851,843
FILING DATE: 06-MAY-1997
RIDR APPLICATION NUMBER: US 08/854,050
FILING DATE: 09-MAY-1997
RIDR APPLICATION NUMBER: US 08/911,312
FILING DATE: 14-AUG-1997
RIDRA APPLICATION NUMBER: US 08/912,951
FILING DATE: 14-AUG-1997
RIDRA APPLICATION NUMBER: US 08/912,951
FILING DATE: 14-AUG-1997
RIDRA APPLICATION NUMBER: US 08/915,503
FILING DATE: 14-AUG-1997
RIDRA APPLICATION NUMBER: WO PCT/US97/17618
FILING DATE: 01-OCT-1997
RIDRA APPLICATION NUMBER: WO PCT/US97/17885
FILING DATE: 01-OCT-1997
RAPLICATION NUMBER: WO PCT/US97/17885
FILING DATE: 01-OCT-1997
RAPELCATION NUMBER: WO PCT/US97/17885
FILING DATE: 01-OCT-1997
RAPEL APPLICATION NUMBER: WO PCT/US97/17885
FILING DATE: 01-OCT-1997
RAPEL: APPLICATION NUMBER: WO PCT/US97/17885
FILING DATE: 01-OCT-1997
RAPEL: APPLICATION DATA: RAPELCATION NUMBER: WO PCT/US97/17885
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NAME: Apple, Randolph Ted
REGISTRATION NUMBER: 36,429
REFERENCE/DOCKET NUMBER: 015389-002610US
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ; NAME/KEY: -
; LOCATION: 1..26
;; OTHER INFORMATION: /note= "R3c primer"
US-08-974-549A-598
      PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/844,419
FILING DATE: 18-APR-1997
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Patent No. 6258535
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 GCTCTAGAATGAACGGTGG 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TELECOMMUNICATION INFORMATION:
TELEBHONE: (415) 576-0200
TELEPAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 598:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 LENGTH: 26 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TOPOLOGY: linear MOLECULE TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US-09-060-523-23
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: Cech, Thomas R.
APPLICANT: Lingner, Joachim
APPLICANT: Lingner, Joachim
APPLICANT: Nakamura, Toru
APPLICANT: Chapman, Karen B.
APPLICANT: Morin, Gregg B.
APPLICANT: Harley, Calvin B.
APPLICANT: Harley, Calvin B.
APPLICANT: Harley, Talvin B.
APPLICANT: Hunan Telomerase Catalytic Subunit
NUMBER OF SEQUENCES: 727
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/974,549A
FILING DATE: 19-NOV-1997
CLASSIFICATION: 536
                                                             PatentIn Release #1.0, Version #1.30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADDRESSEE: Townsend and Townsend and Crew LLP STREET: Two Embarcadero Center, Eighth Floor CTTY: San Francisco STATE: California
                                                                                                                                                                   CLASSIPTCATION:
PRIOR APPLICATION DATA:
APPLICATION UNDRER:
TILING DATE: 05-UTN-1996
APPLICATION NUMBER: US 08/330,123
FILING DATE: 27-OCT-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/272,102
FILING DATE: 07-UTL-1994
ATTORNEY/AGENT INFORMATION:
NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
REGISTRATION NUMBER: 32,944
REGISTRATION NUMBER: 32,944
RECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEPHONE: (415) 576-0200
INFORMATION FOR SEQ ID NO: 23:
SEQUENCE CHARACTERISTICS:
LENGTH: 26 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PRIOR APPLICATION DATA:
PRIOR APPLICATION NUMBER: US 08/724,643
FILING DATE: 01-OCT-1996
                                                                                   CURRENT APPLICATION DATA: APPLICATION NUMBER: US/08/998,443
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 598, Application US/08974549A
Patent No. 6166178
GENERAL INFORMATION:
APPLICANT: Cech, Thomas R.
APPLICANT: Lingner, Joachim
APPLICANT: Nakamura, Toru
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    MOLECULE TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        USA
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                                                             SOFTWARE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        COUNTRY:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: Ochns Hopkins University.
APPLICANT: Greider, Carol W.
APPLICANT: Le, Siyuan
TILE OF INVENTION: TELOMERASE-ASSOCIATED PROTEINS
FILE REPERENCE: 07265/15701
CURRENT APPLICATION NUMBER: US/09/286,959B
CURRENT FILING DATE: 1999-04-06
PRIOR APPLICATION NUMBER: 60/080,783
PRIOR FILING DATE: 1998-04-06
NUMBER OF SEQ ID NOS: 24
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 4
LENGTH: 26
FILING DATE: 13-SEP-1996
APPLICATION NUMBER: US 08/583,808
FILING DATE: 05-JAM-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/003,492
FILING DATE: 08-SEP-1995
ATORNEY AGENT INFORMATION:
NAME: Storella, John R.
REGISTRATION NUMBER: 015389-001220US
TELEPHONE: (415) 576-0200
TELEPHONE: (415) 576-0300
INFORMATION FOR SEQ ID NO: 26:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 19; DB 4;
Pred. No. 0.14;
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Setent No. 6320039
GENERAL INFORMATION:
APPLICANT: VILLEPONTEAU, Bryant
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 4, Application US/09286959B Patent No. 6300131
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100.0%; Pr
tive 0;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FENG, Junli
FUNK, Walter
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Best Local Similarity 100.0
Matches 19, Conservative
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Matches 19; Conservative
                                                                                                                                                                                                                                                                                                                                                            LENGTH: 26 base pairs TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ; FEATURE:
; OTHER INFORMATION: Primer
US-09-286-959B-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                             TOPOLOGY: 1:
MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                       STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-09-220-157A-26
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-09-286-959B-4
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CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              100.0%; Score 19; DB 4; Length 26; 100.0%; Pred. No. 0.14;
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COMPUTER: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
                                                                                                 PatentIn Release #1.0, Version #1.30
                                                                                   SUPERMALES STATEMENT STATEMENT STATEMENT APPLICATION DATA:
APPLICATION DATA:
APPLICATION DATA:
APPLICATION NUMBER: US/09/060,523
FILING DATE: 14-APR-1998
CLASSIFICATION DATA:
APPLICATION NUMBER: US 08/272,102
FILING DATE: 07-JUL-1994
ATTORNEY/AGENT INFORMATION:
APPLICATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 32,944
TELECHOMUICATION INFORMATION:
TELEPHONE: (415) 576-0200
INFORMATION FOR SEQ ID NO. 23:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
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APPLICATION NUMBER: US/09/220,157A
       COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC. compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 26, Application US/09220157A Patent No. 6300110 GENERAL INFORMATION:
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Best Local Similarity 100.
Matches 19; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: nucleic acid
STRANDEDNESS: single
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PRIOR APPLICATION DATA:
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ð 유 CURRENT APPLICATION DATA:

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100.0%; Score 19; DB 2; Length 27; 100.0%; Pred. No. 0.14;
                                  FILING DATE: 20-DEC-1996
CLASSIFICATION: 435
ATTORNEY/AGENT INPORMATION:
NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 015389-002300US
TELECHOWNICATION INPORMATION:
TELEPHONE: 415-576-0300
TELEFAX: 415-576-0300
INFORMATION FOR SEQ ID NO: 26:
SEQUENCE CHARACTERISTICS:
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                  UMBER: US/08/770,565
20-DEC-1996
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Matches 19; Conservative
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TYPE: nucleic acid
STRANDEDNESS: single
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APPLICANT: Kalacy, James T.
APPLICANT: Wu, Fred
APPLICANT: Weinrich, Scott L.
APPLICANT: Pruzan, Ronald
APPLICANT: Weinrich, Scott L.
TITLE OF INVENTION: Methods for Detecting the RNA Component of
TITLE OF INVENTION: Telomerase
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:
ADDRESSER: TOWNSEND and TOWNSEND and CREW LLP
STREET: Two Embarcadero Center, 8th Floor
CITY: San Francisco
CONTRESS CALIFORNIA
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COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PACEDILI Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/580,517

FILING DATE: 25-MAY-2000

CLASSIFICATION: CURROWN:

PRIOR APPLICATION DATA:
             TITLE OF INVENTION: HUMAN TELOMERASE
NUMBER OF SEQUENCES: 25
CORRESPONDENCE ADDRESS:
ADDRESSE: Townsend and Townsend Khourie and Crew
STREET: 379 Lytton Avenue
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match 100.0%; Score 19; DB 4; Length 26; Best Local Similarity 100.0%; Pred. No. 0.14; Matches 19; Conservative 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NAME: Smith, William M
REGISTRATION NUMBER: 30,223
REFERENCE/DOCKET NUMBER: 15389-000810
TELECOMMUNICATION INFORMATION:
ANDREWS, William H.
WENTION: HUMAN TELOMERASE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TOPOLOGY: linear

MOLECULE TYPE: DNA

SEQUENCE DESCRIPTION: SEQ ID NO: 23:
US-09-580-517-23
                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICATION NUMBER: 08/330,123
FILING DATE: <Unknown>
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Patent No. 5846723
GENERAL INFORMATION:
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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DC
SOFTWARE: PatentIn Release.
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STRANDEDNESS: single
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INFORMATION FOR SEQ ID NO: 23
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                                                                                                                              CITY: Palo Alto
STATE: California
COUNTRY: US
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Scoring table:

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1M0428D15R Mouse 10kb plasmid UUGCIM library Mus musculus genomic clone UUGCIM0428D15 R, DNA sequence.
AZ606694
GSS.
             AU259636 AU259636
AZ662500 IM0541607
AZ765306 wi55d06.x
AU254302 AU254302
BH812447 SALK 0017
BH812447 SALK 0013
AL493641 T. brucel
BH849811 SALK 0703
AL459090 T. brucel
BE7397641 G01287895
AZ678640 ZM0289189
AZ476917 T. brucel
BE7397241 G01287895
AZ81297 AM0000101
AZ786040 ZM0000101
AZ786040 ZM0289612
BH863752 AU258962
AZ775318 ZM0007B12
BH863752 SALK 0944
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AZ456311 IM0252H21
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BH624958 1007091C0
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AZ65183 ZM0078M23
AZ495311 T. brucel
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Dunn, D., Aoyagi, A., Barber, M., Beacorn, T., Duval, B., Hamil, C., Islam, H., Longacre, S., Mahmoud, M., Meenen, E., Pedersen, T., Reilly, M., Rose, M., Rose, R., Stokes, R., Tingey, A., von Niederhausern, A. Mouse whole genome scaffolding with paired end reads from 10kb plasmid inserts
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Contact: Robert B. Weiss
University of Utah Genome Center
University of Utah
Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC,
BH791685 SALK
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Insert Length: 10000 Std Error: 0.00
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           AU259636
AZ662500
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AZ786040
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BH863752
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BH624958
AL757115
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AW100845
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AZ456311
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BH791685
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Fax: 801 585 7177
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KEYWORDS
SOURCE
ORGANISM
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AUTHORS
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AZ606694
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AZ471573 1M0286G13
AL462526 T. brucei
AL487013 T. brucei
AV964763 AV964763
AA681423 vr41£08.8
                                                                                                       June 23, 2003, 04:47:09 ; Search time 979.598 Seconds (without alignments) 314.123 Million cell updates/sec
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                GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.
                                                                                                                                                                                                                                                                                      16154066 segs, 8097743376 residues
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TA116E03P
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                                                                              OM nucleic - nucleic search, using sw model
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Gapop_60.0 , Gapext 60.0
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Match Length
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                                                                                                                                                                          Title:
Perfect score:
Sequence:
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5

Score

Result õ 122222

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(http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a no.05 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polymucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptored DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pWAS. (gil473214 |gb|AR129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptored mouse DNA was annealed to adaptored vector DNA, and transformed into chemically-competent E. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."
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Constructed at the Institute for Genomic Research (TIGR),
Rockville, MD. Genomic DNA isolated from a cloned population of
Trypanosoma brucei (TREU927/4 GUTat 10.1) was mechanically sheared
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Submitted (10-DEC-2000) Trypanosoma brucei genome sequencing project, Sanger Centre, The Wellcome Trust Genome Campus, Hinxton, Cambridge CB10 1SA, E-mail: barrell@sanger.ac.uk and
                                                                                                                                                                                                                                                                                                                                                    /note="Vector: PWD42nv; Purified genomic DNA from M. musculus C57BL/6J (male) was obtained from the Jackson
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4 kb). The v + i method used for the library construction is described in detail in Smith, H and Venter, J.C. (Making small insert libraries for whole genome shotgun sequencing projects. Genome Sequencing: A Practical Approach, eds. M. Vaudin and B.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TA116E03P 28 bp DNA linear GSS 13-DE
T. brucei sheared genomic DNA clone 116e03, forward sequence,
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1 (bases 1 to 28)
Hall,N., Bowman,S., Lennard,N.J., Doggett,J., Atkin,R.,
Chillingworth,C., Ormond,D., Harris,B., El-Sayed,N., Hou,L.,
Melville,S.E., Rajandream,M.A. and Barrell,B.G.
                                                                                                                                                                                                                                                                                                                          /lab_host="E. Coli strain XL10-Gold, Tl-resistant,
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                                                                                                                                                                                                        /db_xref="taxon:10090"
/clone="UUGC1M0286G13"
/clone_lib="Mouse 10kb.plasmid UUGC1M library"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    52.6%; Score 10; DB 17; Length 19; 100.0%; Pred. No. 3.7e+04; tive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                          Laboratory Mouse DNA Resource
Seg primer: CGTTGTAAAACGACGGCAGT
Class: plasmid ends
High quality sequence stop: 19.
Location/Qualifiers
                                                                                                                                               organism="Mus musculus"
                                                                                                                                                                       /strain="C57BL/6J
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                                                                                                                                                                                                                                                                                               'sex="Male"
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TA116E03P
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                                                                                                                                                                                                                                                                                                                                                                                                                                  (http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polymucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptored DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gal electrophoresis. Vector DNA was prepared from a derivative of pWD42 (gil4732114|gb|AR129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptored mouse DNA was annealed to
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University of Utah Genome Center
University of Utah
Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           GSS 04-OCT-2000
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Dunn, D., Aoyaqi, A., Barber, M., Beacorn, T., Duval, B., Hamil, C., Islam, H., Longacre, S., Mahmoud, M., Meenen, E., Pedersen, T., Reilly, M., Rose, M., Rose, R., Stokes, R., Tingey, A., von Niederhausern, A. and Wright, D., Weise, R., Mouse whole genome scaffolding with paired end reads from 10kb
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AZ471573 19 bp DNA linear GSS 04-OCT-200 IMO286G13F Mouse 10kb plasmid UUGCIM library Mus musculus genomic clone UUGC1M0286G13 F, DNA sequence.
                                                                                                                                                                                                                                                                                                                                                  /note="Vector: PWD42ny; Purified genomic DNA from M. musculus C57BL/6J (male) was obtained from the Jackson Laboratory Mouse DNA Resource
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi
                                                                                                                                                                                                                                                                                                                             lab host="E. Coli strain XL10-Gold, T1-resistant, F-"
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                                                                                                                                                                                                                                                     clone lib="Mouse 10kb plasmid UUGCIM library"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       57.9%; Score 11; DB 17; Length 48; 100.0%; Pred. No. 1.1e+04; ive 0; Mismatches 0; Indels
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Insert Length: 10000 Std Error: 0.00
  Seg primer: CACACAGGAAACAGCTATGACC
                                                                                                                                                  organism="Mus musculus"
strain="C57BL/6J"
                                                              High quality sequence stop: 48.
Location/Qualifiers
                                                                                                                                                                                                           /db_xref="taxon:10090"
/clone="UUGC1M0428D15"
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                                      Class: plasmid ends
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Fax: 801 585 7177
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34 bp mRNA linear EST 14-WAR-2002
4V964763 Nori Satoh unpublished cDNA library, young adult Ciona
intestinalis cDNA clone ciad15006 5', mRNA sequence.
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VY41E08.81 Knowles Solter mouse 2 cell Mus musculus cDNA clone
IMAGE:1123239 5' similar to gb:L05093 60S RIBOSOMAL PROTEIN L18A
AHGBH423

AA681423.1 GI:2663563
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Bukaryota, Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
1 (Dases 1 to 46)
Marra, M., Hillier, L., Allen, M., Bowles, M., Dietrich, N., Dubuque, T., Geisel, S., Kucaba, T., Lacy, M., Le, M., Martin, J., Morris, M.,
Schellenberg, K., Steptoe, M., Tan, F., Underwood, K., Moore, B.,
Theising, B., Wylie, T., Lennon, G., Soares, B., Wilson, R. and
                                                                                                                                                                                                                  Eukaryota, Metazoa, Chordata, Urochordata, Ascidiacea, Enterogona, Phebobranchia, Cionidae, Ciona.

1 (basea 1 to 34)
Satoh, N., Satou, Y., Kohara, Y. and Shin-i, T.

Expressed genes in Ciona intestinalis
Contact: Nori Satoh
Department of Zoology
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         /organism="Ciona intestinalis"
/db_xref="taxon:7719"
/clone="ciad15006"
/clone_lib="Nori Satch unpublished cDNA library, young
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Contact: Marra M/Mouse EST Project
WashU-HHMI Mouse EST Project
WashIngton University School of MedicineP
4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108
Tel: 314 286 1800
Fax: 314 286 1810
Email: mouseest@watson.wustl.edu
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 34;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Email: satch@ascidian:zool.kyoto-u.ac.jp.
Location/Qualifiers
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                                                                                                                                                                                                                                                                                                                                                                                                                    Sakyo-ku, Kyoto, Kyoto 606-8502, Japan
Tel: 81-75-753-4081
Fax: 81-75-705-1113
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      /tissue_type="whole animal"
/dev stage="young adult"
/note="Vector: pBluescript S
5 c 8 g t
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                                                                                                                                                                               Ciona intestinalis.
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Rockville, MD. Genomic DNA isolated from a cloned population of
Trypanosoma brucei (TREU927/4 GUTat 10.1) was mechanically sheared
to give a tight size distribution in the v+ i method used for the library construction is
4 kb). The v+ i method used for the library construction is
described in detail in Smith, H. and Venter, J.C. (Making small
insert libraries for whole genome shotgun sequencing projects.
Genome Sequencing: A Practical Approach, eds. M. Vaudin and B.
Barrell, Oxford University Press, 1999).
Email: nelsayedetigr.org
Details of T. brucei sequencing at the Sanger Centre are available
at http://www.sanger.ac.uk/Projects/T_brucei/.
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1 (Daees I to 29)
Hall, N., Bowman, S., Lennard, N.J., Doggett, J., Atkin, R.,
Chillingworth, C., Ormond, D., Harris, B., El-Sayed, N., Hou, L.,
Melville, S.E., Rajandream, M.A. and Barrell, B.G.
Direct Submission
Direct Submission
Submitted (10-DEC-2000) Trypanosoma brucei genome sequencing
project, Sanger Centre, The Wellcome Trust Genome Campus, Hinxton,
Cambridge CB10 18A, E-mail: barrell@sanger.ac.uk and
                                                                                                                                                                                                                                                                                                                                    Gaps
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Bukaryota; Buglenozoa; Kinetoplastida; Trypanosomatidae;
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                                                                                                                                                                                                                                                                                     52.6%; Score 10; DB 17; Length 28; 100.0%; Pred. No. 4e+04; ive 0; Mismatches 0; Indels
                                                                                                                                /organism="Trypanosoma brucei"
/strain="TRE0927"
/db xref="taxon:5691"
/clone="116e03"
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/strain="TREU927"
/db_xref="taxon:5691"
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Matches 10; Conservative
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Best Local Similarity 100.
Matches 10; Conservative
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EMERATOR AND MUSE MUSICALUS

ENGARDORAS METAZOA; Chordata; Craniata; Vertebrata; Euteleostomi; Mammaliai Butheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.

1 (bases 1 to 22)

Kato, K. and Matoba, R.

Generation of expressed sequence tags from mouse brain

Unpublished (2002)

Contact: Kikuya Kato

Graduate School of Biological Sciences

Nara Institute of Science and Technology

8916-5 Takayama, Inkoma, Nara 630-0101, Japan

Fax: 81-743-72-5581

Email: kkato@bs.aist-nara.ac.jp,

URL:http://love2.aist-nara.ac.jp,

Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AU259636
AU259636 3'-directed mouse cDNA library Mus musculus cDNA clone
BED0015510 3', mRNA sequence.
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  each of which contains one or more TDNA insertion elements. The resultant fragment for each line was directly sequenced to determine the genomic sequence at the site of insertion. Details of the protocols used can be found at http://signal.salk.edu/tdna_protocols.html" a 9 c 9 g 16 t
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GSS.
Mus musculus
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi;
Mammalia; Butheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
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100.0%; Pred. No. 1.5
ive 0; Mismatches

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    /organism="Mus musculus"

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1 (bases 1 to 49)
1 (bases 1 to 49)
2 (bases 1 to 49)
3 (bases 1 to 49)
4 (bases 1 to 49)
5 (bases 1 to 49)
6 (bases 1 to 49)
7 (bases 1 to 49)
7 (bases 1 to 49)
8                                                                                                                                                                                                                                                                                                                                                                                                                                          /note="Organ: embryo; Vector: pBluescribe (modified); Site_1: Mill; Site_2: Sall; Cloned unidiarectionally from RNA prepared from 13,500 2-cell stage embryos. Primer: Sall (dT): 5'-CGGTCGACCGTCGACCGTTTTTTTTTTTTTTT.3'. Were cloned into the Mill/Sall sites of a modified pBluescribe vector using commercial linkers (NEB). Average insert size: 1.2 kb."
This clone is available royalty-free through LLNL; contact the IMAGE Consortium (info@image.llnl.gov) for further information. MGI:612575
Trace considered overall poor quality
High quality sequence stop: 1.
Location/Qualifiers
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/clone lib="Arabidopsis thaliana TDNA insertion lines"
/note="PCR was performed on Arabidopsis thaliana lines
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                                                                                                                                                                          1. .46
/organism="Mus musculus"
/strain="CS7BL/6J x DBA/2J F1"
/db_xref="taxon:10090"
/clone="IMAGE:1123239"
/clone lib="Knowles Solter mouse 2 cell"
/tissue_type="embryo"
/dev stage="2-cell"
/lab_host="DH108"
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Salk Institute Genomic Analysis Laboratory (SIGNAL)
The Salk Institute for Biological Studies
10010 N. Torrey Pines Road, La Jolla, CA 92037, USA
Tel: 858 453 4100 x1752
Fax: 858 558 6379
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100.0%; Pred. No. 4.4e+04;
ive 0; Mismatches 0;
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/organism="Axabidopsis thaliana"
/strain="Columbia 0"
/db_xref="taxon:3702"
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Arabidopsis thaliana
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Gaps

JOURNAL COMMENT

TITLE

REFERENCE

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/note="Organ: colon, Vector: pT7T3D-Pac (Pharmacia) with a modified polylinker; Site 1: Not 1; Site 2: Eco R1; Plasmid DNA from the normalized library NCI CGAP Col0 was prepared, and ss circles ware made in vitro. Following HAP purification, this DNA was used as tracer in a subtractive hybridization reaction. The driver was PCR-amplified cDNAs (from a pool of 5,000 clones made from the same library (cloneIDS 1057416-1061255, and 1144584-1145351).
Subtraction by Bento Soares and M. Fatima Bonaldo. "
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AU254302 3'-directed mouse cDNA library Mus musculus cDNA clone
BED0001498 3', mRNA sequence.
                                                                                                                                                                                                                   Ph.D. CDNA Library Preparation: M. Bento Soares, Ph.D. CDNA Library Arrayed by: Greg Lennon, Ph.D. DNA Library Arrayed by: Greg Lennon, Ph.D. DNA Sequencing by: Washington University Genome Sequencing Center Clone distribution: NCI-CGAP clone distribution information can be
                                                                                                         Unpublished (1997)
Contact: Robert Strausberg, Ph.D.
Email: cgapbs-r@mail.nih.gov
Tissue Procurement: Ilan Kirsch, M.D., Michael R. Emmert-Buck, M.D.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Butheria; Rodentia; Sciurognathi; Muridae; Musinae; Mus. 1 (bases 1 to 27)
Kato, K. and Matoba, R. Generation of expressed sequence tags from mouse brain Ompublished (2002)
Contact: Kikuya Kato
Graduace School of Biological Sciences
Nara Institute of Science and Technology
Balf-5 Taskayama, Ikoma, Nara 630-0101, Japan
Tel: 81-743-72-5581
1 (bases 1 to 25)
NCI-CGAP http://www.ncbi.nlm.nih.gov/ncicgap.
National Cancer Institute, Cancer Genome Anatomy Project (CGAP),
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                                                                                                                                                                                                                                                                                                                                                       found through the I.M.A.G.E. Consortium/LINL at:
www-bio.llnl.gov/bbrp/image/image.html
.Insert Length: 1675 Std Error: 0.00
Seq primer: -400P from Gibco
High quality sequence stop: 1.
Location/Qualifiers
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URL:http://love2.aist-nara.ac.jp/BED/index.html
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 db_xref="taxon:9606"
/clone="IMAGE:2394155"
/clone=lib="NCI_CGAP_Co16"
/tissue_type="colon_tumor, RER+"
/lab_host="DH108"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              47.4%; Score 9; DB 9; Le 100.0%; Pred. No. 1.6e+05;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             /organism="Homo sapiens"
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Best Local Similarity 100...
                                                                                     Tumor Gene Index
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AU254302/c
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JOURNAL
COMMENT
                               AUTHORS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polymucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptored DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gal electrophoresis. Vector DNA was prepared from a derivative of pwalpd (gill 4732114 [gb] AF125072.1), a copy number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptored mouse DNA was annealed to adaptored vector DNA, and transformed into chemically-competent E. coll Xii0-Gold (Stratagene) cells and selected for ampicillin resistance."
                                                                                                                                                                                       Unpublished (2000)
Contact: Robert B. Weiss
University of Utah
University of Utah
University of Utah
Weise Blomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
84112, USA
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                         Dunn, D., Aoyagi, A., Barber, M., Beacorn, T., Duval, B., Hamil, C., Islam, H., Longacre, S., Mahmoud, M., Meenen, E., Pedersen, T., Reilly, M., Rose, M., Rose, R., Stokes, R., Tingey, A., von Niederhausern, A. and Wright, D., Weiss, R.
Mouse whole genome scaffolding with paired end reads from 10kb plasmid inserts
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similar to TR:075053 075053 KIAA0465 PROTEIN ;, mRNA sequence.
AI763346
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Bukaryota, Metazoa, Chordata, Craniata, Vertebrata, Buteleostomi,
Mammalia, Butheria, Primates, Catarrhini, Hominidae, Homo.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1. .24

/organism="Mus musculus"
/strain="C57BL/6J"
/db xref="taxon:10090"
/clone="UUGC1M0541G07"
/clone="Ub="Mouse 10kb plasmid UUGC1M library"
/sex="Male"
/lab host="E. Coli strain XLI0-Gold, T1-resistant, F-"
/note="Vector: PWD42nv; Purified genomic DNA from M.
musculus C57BL/6J (male) was obtained from the Jackson
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                              Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00
Plate: 0541 row: G column: 07
Seq primer: CACACAGGAAACAGCTATGACC
Class: plasmid ends
High quality sequence stop: 24.
Location/Qualifiers
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                                                                                                                                                                                                                                                                                                                                                             Tel: 801 585 5606
Fax: 801 585 7177
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               10 TGAACGGTG 18
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VERSION KEYWORDS SOURCE ORGANISM

DEFINITION

ACCESSION

RESULT 10 AI763346 LOCUS

BASE COUNT ORIGIN

Matches

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source

PEATURES

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Gaps

Shinn, P.

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1811 27 bp DNA linear GSS 13-JUN-2002 070310.38.90.x Arabidopsis thaliana TDNA insertion lines dopsis thaliana genomic clone SALK_070310.38.90.x, DNA
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DNA clone 349b02, forward sequence,
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Eukaryota, Viridiplantae, Streptophyta, Embryophyta, Tracheophyta,
Spermatophyta, Magnoliophyta, eudicotyledons, core eudicots,
Rosidae, eurosids II, Brassicales, Brassicaceae, Arabidopsis.
1 (bases 1 to 27)
Alonso, J.M., Leisse, T.J., Barajas, P., Chen, H., Cheuk, R., Gadrinab, C., Jeske, A., Karnes, M., Kim, C.J., Parker, H., Prednis, L., Shinn, P., Zimmerman, J. and Ecker, J.R.
A Sequence-Indexed Library of Insertion Mutations in the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Hall, N., Bowman, S., Lennard, N.J., Doggett, J., Atkin, R., Chillingworth, C., Ormond, D., Harris, B., El-Sayed, N., Hou, L., Melville, S.E., Rajandream, M.A. and Barrell, B.G.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             This is single pass sequence recovered from the left border
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Eukaryota, Euglenozoa, Kinetoplastida, Trypanosomatidae,
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                                                                                                                                                                                                                                                                                                                                             Arabidopsis Genome
Unpublished (2001)
Unpublished (2001)
Contact: Joseph R. Ecker
Salk Institute Genomic Analysis Laboratory (SIGNAL)
The Salk Institute for Biological Studies
10010 N. Torrey Pines Road, La Jolla, CA 92037, USA
Fax: 858 558 6379
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 27;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     organism="Arabidopsis thaliana"
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100.0%; Pred. No. 1.6
ive 0; Mismatches
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T. brucei sheared genomic
genomic survey sequence.
                                                                                                                              GI:21420682
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ecker@salk.edu
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SALK 070310.3
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TA349B02P
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RESULT 13
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                  BH849811
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[clone="SALK 061781"

[clone="Ib="Arabidopsis thaliana TDNA insertion lines"

| note="PCR was performed on Arabidopsis thaliana lines
each of which contains one or more TDNA insertion
elements. The resultant fragment for each line was
directly sequenced to determine the genomic sequence at
the site of insertion. Details of the protocols used can
be found at http://signal.salk.edu/tdna_protocols.html"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Eukaryota, Viridiplantae, Streptophyta, Embryophyta, Tracheophyta, Spermatophyta, Magnollophyta, eudicotyledons, core eudicots; Rosidae, eurosia, II; Brassicales, Brassicaceae, Arabidopsis.
(bases 1 to 27)
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               /db_xref="taxon:10090"
/clone="BED0001498"
/clone_lib="3'directed mouse cDNA library"
/tissue_type="brain"
/note="Vector: pGEM-T-eagy"
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                                                                                                                                                                                                 0; Indels
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                                                                                                                                                              Length 27;
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Pred. No. 1.6e+05;
0; Mismatches 0;

    .27
    /organism="Arabidopsis thaliana"

                                                                                                                                                            47.4%; Score 9; DB 9; Le
100.0%; Pred. No. 1.6e+05;
tive 0; Mismatches 0;
 organism="Mus musculus"
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Location/Qualifiers
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100.0%; Pred
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9; Conserve
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Best Local Similarity
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Class:
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Gaps

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Constructed at the Institute for Genomic Research (TIGR),
Rockville, MD. Genomic DNA isolated from a cloned population of
Rockville, MD. Genomic DNA isolated from a cloned population of
Trypanosoma brucei (TREU927/4 GUTAt 10.1) was mechanically sheared
to give a tight size distribution (
4 kb). The v + i method used for the library construction is
described in detail in Smith, H. and Vener, J.C. (Making small
insert libraries for whole genome shotgun sequencing projects.
Genome Sequencing: A Practical Approach, eds. M. Vaudin and B.
Barrell, Oxford University Press, 1999).
Email: nelsayedetigr.org
Details of T. brucei sequencing at the Sanger Centre are available
at http://www.sanger.ac.uk/Projects/T_brucei/.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AU257604 3'-directed mouse cDNA library Mus musculus cDNA clone AU257604 3', mRNA sequence.
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Submitted (10-DEC-2000) Trypanosoma brucei genome sequencing project, Sanger Centre, The Wellcome Trust Genome Campus, Hinxton, Cambridge CB10 1SA, E-mail: barrell@sanger.ac.uk and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Mus musculus Sukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Bukaryota, Metazoa, Chordata, Craniata, Vertebrata, Eutheria, Mammalia, Eutheria, Rodentia, Sciurognathi, Muridae, Murinae; Mus 1 (bases 1 to 30) Kato, K. and Matoba, R. Generation of expressed sequence tags from mouse brain Unpublished (2002)
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6 c 4 g 7 t
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Graduate School of Biological Sciences
Nara Institute of Science and Technology
Nara Institute of Science and Technology
8916-5 Takayama, Ikoma, Nara 630-0101, Japan
Tel: 81-743-72-5589
Fax: 81-743-72-5589
Email: kkato@bs.aist-nara.ac.jp,
URL:http://love2.aist-nara.ac.jp,
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           47.4%; Score 9; DB 17; Le
100.0%; Pred. No. 1.6e+05;
ative 0; Mismatches 0;
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Jun 27 07:43:19 2003
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GenCore version 5.1.6

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OM nucleic - nucleic search, using sw model

Run on: June 23, 2003, 05:45:21 ; Search time 834.032 Seconds

(without alignments)

158.668 Million cell updates/sec
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(without alignments)

Title:
US-08-770-564A-9

Perfect score:
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Sequence:
1 GCTCTAGAATGAACGGTGG 19
Scoring table:
OLIGO_NUC
Gapop_60.0 , Gapext 60.0
Searched: 7820798 seqs, 3482471992 residues

Post-processing: Listing first 45 summaries

Minimum DB seq length: 0 Maximum DB seq length: 50

8653682

Total number of hits satisfying chosen parameters:

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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Sequence 39, Appl Sequence 952738, Sequence 13722, A Sequence 222991,		90268, 173196, 231533, e 738286 e 69383, e 267834	Sequence 29735, A Sequence 17344, A Sequence 17345, A Sequence 46248, A Sequence 46248, A Sequence 64990, A Sequence 2113, Ap Sequence 2113, Ap Sequence 21242, A
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PERSON.

PERSON.

PERSON.

Sequence 539, Application PC/TUS0304088

Sequence 539, Application PC/TUS0304088

Sequence 539, Application PC/TUS0304088

GENERAL INFORMATION:

APPLICANT: McSaigen, James

APPLICANT: Beigelman, Leonid

TITLE OF INVARITON: RAN Interference Mediated Inhibition of Telomerase Gene

TITLE OF INVARITON: RAN Interference Mediated Inhibition of Telomerase Gene

TITLE OF INVARITON: RAN INTERFERENCE: 02-104-108

FILE PERSON DATE: 2003-04-28

PRIOR APPLICATION NUMBER: US 60/356,600

PRIOR PLING DATE: 2002-07-17

PRIOR APPLICATION NUMBER: US 60/356,500

PRIOR PLING DATE: 2002-03-10

PRIOR PELING DATE: 2002-06-10

PRIOR APPLICATION NUMBER: US 60/363,124

PRIOR PLING DATE: 2002-09-10

PRIOR PLING DATE: 2002-09-09

PRIOR PLING DATE: 2003-01-15

PRIOR APPLICATION NUMBER: US 60/440,129

PRIOR APPLICATION NUMBER: US 60/400,233

PRIOR APPLICATION NUMBER: US 60/440,129

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PRIOR APPLICATION NUMBER: US 60/440,129

PRIOR PRIVER: US 60/440,120

PRIOR
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100.0%; Score 19; DB 1; Length 21;

Query Match

8

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OTHER INFORMATION: 5'-3 attached terminal deoxyabasic moeity
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// CTHER INFORMATION: 3'-3 attached terminal deoxyabasic moeity
PCT-USO3-04088-547
PRIOR APPLICATION NUMBER: US 60/358,580
PRIOR FILING DATE: 2002-02-02
PRIOR FILING DATE: 2002-03-11
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PRIOR PLING DATE: 2002-06-06
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PRIOR PRIOR DATE: 2002-09-09
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PRIOR PRIOR DATE: 2002-09-09
PRIOR PRIOR DATE: 2002-09-09
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LOCATION: (1)._(2)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
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OTHER INFORMATION: 2'-deoxy-2'-fluoro
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OTHER INFORMATION: 2'-deoxy-2'-fluoro
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THER INFORMATION: 2'-deoxy-2'-fluoro
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                                                                                                                                                                                                                                                                                             NUMBER OF SEQ ID NOS: 626
SOFWARE: Patentin version 3.2
SEQ ID NO 547
LENGTH: 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NAME/KEY: misc feature
LOCATION: (20)..(21)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NAME/KEY: misc_feature
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COCATION:
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OTHER INFORMATION: Description of Artificial Sequence: sinA antisense region
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APPLICANT: Beigelman, Leonid
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase Gene
TITLE OF INVENTION: Expression Using Short Interfering RNA (siNA)
FILE REPERENCE: 02-708-A (400/080)
CURRENT APPLICATION NUMBER: PCT/US03/04088
CURRENT FILING DATE: 2003-04-28
                            Gaps
                            0
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                            0; Indels
        Pred. No. 0.1;
                            Mismatches
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// OTHER INFORMATION: n stands for thymidine
PCT-US03-04088-543
                                                                                                                                                                                                                                                                                                                                                                                                                                                       100.0%; Score 19; 78.9%; Pred. No. 0
                                                                                                                                                                                                                                                      APPLICANT: Ribozyme Pharmaceuticals, Inc
                                                                                                                                                                                                                                                                                                                                                                                                 CURRENT FILING DATE: 2003-04-28
PRIOR APPLICATION NUMBER: US 60/396,600
PRIOR FILING DATE: 2002-07-17
                                                                                                                                                                                                           Sequence 543, Application PC/TUS0304088 GENERAL INFORMATION:
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Matches 19; Conservative C
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Best Local Similarity 78.9
Matches 15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NAME/KEY: misc feature
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: RNA
ORGANISM: Artificial
                                                                                                                                                                                       -US03-04088-543
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APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: McSwiggen, James
APPLICANT: Beigelman, Leonid
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase Gene 100.0%; Score 19; DB 1; Length 21; 100.0%; Pred. No. 0.1; :ive 0; Mismatches 0; Indels Sequence 551, Application PC/TUS0304088 GENERAL INFORMATION: 1 GCTCTAGAATGAACGGTGG 19 Best Local Similarity 100. Matches 19, Conservative PCT-US03-04088-551 Query Match ò 셤

Sequence 547, Application PC/TUS0304088
GENERAL INFORMATION:
APPLICANT: Ribosyme Pharmaceuticals, Inc.
APPLICANT: McSwiggen, James
APPLICANT: McSwiggen, James
TITLE OF INVENTION: RNA Interference Mediated Inhibition of
TITLE OF INVENTION: Expression Using Short Interfering RNA
FILE REFERENCE: 02-708-A (400/080)
CURRENT APPLICATION NUMBER: PCT/US03/04088

PCT-US03-04088-547/c

ò g PRIOR APPLICATION NUMBER: US 60/396,600 PRIOR FILING DATE: 2002-07-17

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FILE REFERENCE: 02-708-A (400/080)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Telomerase Gene
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FILE REPERENCE: 02-708-A (400/080)
CURRENT APPLICATION NUMBER: PCT/US03/04088
CURRENT PLING DATE: 2003-04-20
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APPLICANT: Mibozyme Pharmaceuticals, Inc.
APPLICANT: Beigelman, James
APPLICANT: Beigelman, Leonid
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telome
TITLE OF INVENTION: Expression Using Short Interfering RNA (SINA)
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... OTHER INFORMATION: Phosphorothioate 3'-Internucleotide Linkage
PCT-US03-04088-551
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 19; DB 1; Length 21; Pred. No. 0.1; 0; Indels 4; Mismatches 0; Indels
                                                                                                                                                      PRIOR FILING DATE: 2002-07-17
PRIOR FILING DATE: 2002-07-17
PRIOR APPLICATION NUMBER: US 60/356,600
PRIOR APPLICATION NUMBER: US 60/363,124
PRIOR APPLICATION NUMBER: US 60/363,124
PRIOR APPLICATION NUMBER: US 60/366,782
PRIOR PILING DATE: 2002-06-06
PRIOR PILING DATE: 2002-06-06
PRIOR PILING DATE: 2002-06-09
PRIOR APPLICATION NUMBER: US 60/406,784
PRIOR PILING DATE: 2002-09-05
PRIOR PILING DATE: 2002-09-05
PRIOR PILING DATE: 2002-09-09
PRIOR PILING DATE: 2003-01-15
NUMBER OF SEQ ID NOS: 626
SSOTURNOS SEQ ID NOS: 626
SSOTURNOS SEQ ID NOS: 626
SSOTURNOS SEQ ID NOS: 626
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OTHER INFORMATION: n stands for thymidine
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NAME/KEY: misc feature
LOCATION: (2). (5)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
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OTHER INFORMATION: 2'-deoxy-2'-fluoro
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LOCATION: (14)...(14)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
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OTHER INFORMATION: 2'-deoxy-2'-fluoro
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r-US03-04088-555/c
a-m:ence 555, Application PC/TUS0304088
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Best Local Similarity 78.9%; I
Matches 15; Conservative 4;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WAME/KEY: misc feature
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FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Target sequence/sinA sense
OTHER INFORMATION: region
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         LOCATION: (20)...(21)
OTHER INFORMATION: n stands for thymidine FEATURE:
                                                                PRIOR AFELING DATE: 2002-07-17
PRIOR FILING DATE: 2002-07-17
PRIOR FILING DATE: 2002-02-20
PRIOR FILING DATE: 2002-02-20
PRIOR FILING DATE: 2002-03-11
PRIOR FILING DATE: 2002-03-11
PRIOR FILING DATE: 2002-06-06
PRIOR FILING DATE: 2002-06-06
PRIOR FILING DATE: 2002-06-06
PRIOR FILING DATE: 2002-09-09
PRIOR FILING DATE: 2002-09-09
PRIOR FILING DATE: 2002-09-05
PRIOR FILING DATE: 2002-09-09
PRIOR PILING DATE: 2002-09-09
PRIOR PILING DATE: 2002-09-09
PRIOR FILING DATE: 2002-09-09
PRIOR FILING DATE: 2002-09-09
PRIOR FILING DATE: 2003-09-09
PRIOR FILING DATE: 2003-01-15
NUMBER OF SEQ ID NOS: 626
SEQ ID NOS: 626
SEQ ID NOS: 626
PCT/US03/04088
                                               PRIOR APPLICATION NUMBER: US 60/396,600
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NAME/KEY: misc_feature
LOCATION: (1)._(2)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
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JHER INFORMATION: 2'-deoxy-2'-fluoro
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THER INFORMATION: 2'-deoxy-2'-fluoro
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THER INFORMATION: 2'-deoxy-2'-fluoro
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OTHER INFORMATION: 2'-deoxy-2'-fluorc
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LOCATION: (3)._(3)
THER INFORMATION: 2'-deoxy
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THER INFORMATION: 2'-deoxy
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COCATION: (10)...(10)
THER INFORMATION: 2'-deoxy
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OTHER INFORMATION: 2'-deoxy
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JOCATION: (1)...(1)
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GOCATION: (7)..(9)
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ORGANISM: Artificial
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100.0%; Score 19; DB 1; Length 23;
  LOCATION: (14)..(14)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
                                                                                   NAME/KEY: misc_feature
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SEQ ID NO 520
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APPLICANT: McSwiggen, Jenes
APPLICANT: Beigelman, Leonid
TITLE OF INVENTION: Expression Using Short Interfering RNA (siNA)
TITLE OF INVENTION: Expression Using Short Interfering RNA (siNA)
FILE REFERENCE: 02-708-A (400/080)
CURRENT APPLICATION NUMBER: US (0/396,600
PRIOR APPLICATION NUMBER: US (0/398,580)
PRIOR APPLICATION NUMBER: US (0/363,124
PRIOR APPLICATION NUMBER: US (0/363,124
PRIOR FILING DATE: 2002-00-11
PRIOR FILING DATE: 2002-06-60
PRIOR PRIOR APPLICATION NUMBER: US (0/386,782
PRIOR FILING DATE: 2002-06-06
PRIOR PRIOR APPLICATION NUMBER: US (0/406,784
PRIOR FILING DATE: 2002-09-05
PRIOR PRIOR APPLICATION NUMBER: US (0/406,784
PRIOR PRILING DATE: 2002-09-05
PRIOR PRILING DATE: 2002-09-05
PRIOR FILING DATE: 2003-01-15
NUMBER OF SEQ ID NOS: 626
SOFTWARE: PALENTIN VERSION 3.2
LEWARTH: PALENTIN VERSION 3.2
LEWARTH: PALENTIN VERSION 3.2
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                                LOCATION: (21) (21)
OTHER INFORMATION: 3'-3 attached terminal deoxyabasic moeity
                                                                                                                                            Score 19; DB 1; Length 21;
Pred. No. 0.1;
                                                                                                                                                                                                       Indels
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                                                                                                                                            Query Match 100.0%; Score 19; DE Best Local Similarity 100.0%; Pred. No. 0.1 Matches 19; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 559, Application PC/TUS0304088 GENERAL INFORMATION:
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INFORMATION: 2'-deoxy-2'-fluoro
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INFORMATION: 2'-deoxy-2'-fluoro
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LOCATION: (1)._(1)
OTHER INFORMATION: 2'-deoxy
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THER INFORMATION: 2'-deoxy
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OTHER INFORMATION: 2'-deoxy
NAME/KEY: misc_feature
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LOCATION: (10)..(10)
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                                                                                   PCT-US03-04088-555
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; OTHER INFORMATION: Description of Artificial Sequence: Target sequence/siNA sense; OTHER INFORMATION: region
PCT-US03-04088-520
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CURRENT APPLICATION NUMBER: PCT/USO3/04088
CURRENT FILING DATE: 2003-04-28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
                                                                                                                                                                                                                                                                                                                                  NAME/KEY: misc_feature
LOCATION: (20) ... (20)
OTHER INFORMATION: Phosphorothioate 3'-Internucleotide Linkage
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           DB 1;
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Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                   ; NAME/KEY: misc_feature
; LCCATION: (20)..(21)
. OTHER INFORMATION: n stands for thymidine
PCT-US03-04088-559
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PRIOR FILING DATE: 2002-07-17
PRIOR APPLICATION NUMBER: US 60/359,500
PRIOR PLING DATE: 2002-00-20
PRIOR FILING DATE: 2002-00-20
PRIOR PELICATION NUMBER: US 60/363,124
PRIOR PELICATION NUMBER: US 60/366,782
PRIOR APPLICATION NUMBER: US 60/406,784
PRIOR PELING DATE: 2002-06-06
PRIOR FILING DATE: 2002-06-09
PRIOR FILING DATE: 2002-09-05
PRIOR PELICATION NUMBER: US 60/409,378
PRIOR FILING DATE: 2002-09-05
PRIOR PELICATION NUMBER: US 60/409,293
PRIOR PELICATION NUMBER: US 60/409,293
PRIOR PELICATION NUMBER: US 60/40,129
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: McSwiggen, James
MPPLICANT: Beigelman, Leonid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CURRENT FILING DATE: 2003-04-28
PRIOR APPLICATION NUMBER: US 60/396,600
                                                                                                                    LOCATION: (17)..(17)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PCT-US03-04088-520/c; Sequence 520, Application PC/TUS0304088; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 GCUCUAGAAUGAACGGUGG 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity 78.9%;
Matches 15; Conservative
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SOFTWARE: PatentIn version 3.2
                                                                                                                                                                                                          NAME/KEY: misc_feature
LOCATION: (18)...(19)
THER INFORMATION: 2'-deoxy
LOCATION: (15)..(16)
OTHER INFORMATION: 2'-deoxy
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Gaps
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                                                                                                                                                                 COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PATENTIN Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/721,456
FILING DATE: 22-Nov-2000
CLASSIFICATION: <UNKnown>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NAME: Apple, Randolph Ted
REGISTRATION NUMBER: 36,429
REFERENCE/DOCKET NUMBER: 015389-002610US
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PILING DATE: 14-AUG-1997
APPLICATION NUMBER: US 08/912,951
FILING DATE: 14-AUG-1997
APPLICATION NUMBER: US 08/915,503
FILING DATE: 14-AUG-1997
APPLICATION NUMBER: WO PCT/US97/17618
APPLICATION NUMBER: WO PCT/US97/17618
APPLICATION NUMBER: WO PCT/US97/17885
APPLICATION NUMBER: 01-OCT-1997
APPLICATION NUMBER: 01-OCT-1997
APPLICATION NUMBER: 01-OCT-1997
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SEQUENCE DESCRIPTION: SEQ ID NO: 598:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   FILING DATE: 19-NOV-1997
APPLICATION NUMBER: US 08/724,643
FILING DATE: 01-OCT-1996
APPLICATION NUMBER: US 08/844,419
FILING DATE: 18-APF-1997
FILING DATE: 25-APF-1997
FILING DATE: 25-APF-1997
                                                                                                                                                                                                                                                                                                                                                                                                   PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/974,549A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICATION NUMBER: US 08/851,843
FLING DATE: 06-MAX-1997
APPLICATION NUMBER: US 08/854,050
FILING DATE: 09-MAX-1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICATION NUMBER: US 08/911,312
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GENERAL INFORMATION:
APPLICANT: Cech, Thomas R.
Lingner, Joachim
Nakamura, Toru
Chapman, Karen B.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
                                                                      ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ATTORNEY/AGENT INFORMATION:
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SEQUENCE CHARACTERISTICS:
LENGTH: 26 base pairs
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OTHER INFORMATION:
                STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity 100.0
Matches 19; Conservative
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US-10-325-810-598
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PCT-US03-04088-521
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TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telc

TITLE OF INVENTION: RAP Interference Mediated Inhibition of Telc

TITLE OF INVENTION: Expression Using Short Interfering RNA (SIN)

FILE REPERENCE: 02-708-A (400/080)

CURRENT APPLICATION NUMBER: PC / 1203-04-28

PRIOR APPLICATION NUMBER: US 60/356,600

PRIOR PILING DATE: 2002-07-17

PRIOR APPLICATION NUMBER: US 60/365,124

PRIOR PILING DATE: 2002-02-0

PRIOR PILING DATE: 2002-03-11

PRIOR PILING DATE: 2002-03-11

PRIOR PILING DATE: 2002-09-05

PRIOR PILING DATE: 2002-09-09

PRIOR PILING DATE: 2003-01-15
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Lingner, Joachim
Nakamura, Toru
Chaman, Karen B.
Morin, Gregg B.
Harley, Calvin B.
Andrews, William H.
TITLE OF INVENTION: Human Telomerase Catalytic Subunit
NUMBER OF SEQUENCES: 727
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity 100.0%; Score 19; DB 1; Length 23;
Best Local Similarity 100.0%; Pred. No. 0.099;
Matches 19; Conservative 0; Mismatches 0. Tradala
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      Pred. No. 0.099;
                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Ribozyme Pharmaceuticals, Inc.
                                                                                                                                                                                                                                                                                                                            Sequence 521, Application PC/TUS0304088 GENERAL INFORMATION:
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                                                                                                     1 GCTCTAGAATGAACGGTGG 19
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Best Local Similarity 100.0%; Matches 19; Conservative 0
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Sequence 23, Application US/10359935
GENERAL INFORMATION:
APPLICANT: Villeponteau, Bryant
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Best Local Similarity
Matches 19; Conserv
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Harley, Calvin B.
Andrews, William H.
TITLE OF INVENTION: Human Telomerase Catalytic Subunit
NUMBER OF SEQUENCES: 633
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                100.0%; Score 19; DB 9; Length 26; 100.0%; Pred. No. 0.098;
                                                                                                                                                                                                                                               COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/NS-DOS
SOFTWARE: PATERITIN Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/325,810
                                                                                                                          ADDRESSEE: Townsend and Townsend and Crew LLP STREET: Two Embarcadero Center, Eighth Floor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NAME: Ausenhus, Scott L.
REGISTRATION NUMBER: 42,271
REFERENCE/DOCKET NUMBER: 015389-002620US
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     FILING DATE: 09-MAY-1997
APPLICATION NUMBER: US 08/911,312
FILING DATE: 14-AUG-1997
APPLICATION NUMBER: US 08/912,951
FILING DATE: 14-AUG-1997
APPLICATION NUMBER: US 08/915,503
FILING DATE: 14-AUG-1997
APPLICATION NUMBER: WO PCT/US97/17885
FILING DATE: 01-OCT-1997
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OTHER INFORMATION: /note= "R3c primer"
SEQUENCE DESCRIPTION: SEQ ID NO: 598:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        FILING DATE: 29-5ep-1997
APPLICATION NUMBER: US 08/724,643
FILING DATE: 01-OCT-1996
APPLICATION NUMBER: US 08/844,419
FILING DATE: 18-APR-1997
APPLICATION NUMBER: US 08/846,017
FILING DATE: 25-APR-1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICATION NUMBER: US/09/402,181
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICATION NUMBER: US 08/851,843
FILING DATE: 06-MAY-1997
APPLICATION NUMBER: US 08/854,050
                                                                                                                                                                                                                                                                                                                                                                                                                                                           FILING DATE: 20-Dec-2002
CLASSIFICATION: <Unknown>
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LENGTH: 26 base pairs
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STRANDEDNESS: single
                                                                                                                                                                               CITY: San Francisco
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PRIOR APPLICATION DATA:
                                                                                                  CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                       STATE: California
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Best Local Similarity
Matches 19; Conserv
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1 GCTCTAGAATGAACGGTGG 19 GCTCTAGAATGAACGGTGG 23

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Conservative

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PPLICANT: Pruzan, Ronald
ITLE OF INVENTION: Using Purified Telomerase to Identify Telomerase Activators and
ITLE OF INVENTION: Inhibitors
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                                                                                                                                             ADDRESSEE: Townsend and Townsend and Crew LLP STREET: Two Embarcadero Center, Eighth Floor
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100.0%; Pred. No. 0.098;
iive 0; Mismatches 0.
                                           Andrews, William H.
TITLE OF INVENTION: Mammalian Telomerase
NUMBER OF SEQUENCES: 42
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                   COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PATCHIN Release #1.0, v
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICATION NUMBER: US/09/057,351
FILING DATE: 08-APR-1994
PHILING DATE: 07-JUL-1994
APPLICATION NUMBER: US 08/330,123
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        FILING DATE: 27-OCT-1994
APPLICATION NUMBER: US 08/472,802
FILING DATE: 07-JUN-1995
                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICATION NUMBER: US/10/359,935 FILING DATE: 07-Feb-2003 CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ; MOLECULE TYPE: DNA
; SEQUENCE DESCRIPTION: SEQ ID NO: 23:
US-10-359-935-23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 01
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TELECOMMUNICATION INFORMATION TELEPHONE: (415) 576-020
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                                                                                                                                                                                           CITY: San Francisco
STATE: California
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Feng, Junli
Funk, Walter
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: Geron Corporation
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TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase Gene ITILE OF INVENTION: Expression Using Short Interfering RNA (siNA); FILE REPERENCE: 02-708-A (400,080); CURRENT APPLICATION NUMBER: PCT/US03/04088
CURRENT FILING DATE: 2003-04-28
PRIOR PAPLICATION NUMBER: US 60/356,600
PRIOR PAPLICATION NUMBER: US 60/356,600
PRIOR PAPLICATION NUMBER: US 60/358,580
PRIOR PAPLICATION NUMBER: US 60/363,124
PRIOR APPLICATION NUMBER: US 60/363,124
PRIOR PILING DATE: 2002-03-11
PRIOR PAPLICATION NUMBER: US 60/406,784
PRIOR PLING DATE: 2002-06-06
PRIOR PLING DATE: 2002-08-05
PRIOR PAPLICATION NUMBER: US 60/406,784
PRIOR PLING DATE: 2002-09-05
PRIOR PLING DATE: 2002-09-09
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APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: McSwiggen, James
APPLICANT: Beigelman, Leonid
TITLE OF INVENTION: RNA Interference Mediated Inhibition of
TITLE OF INVENTION: Expression Using Short Interfering RNA
FILE REFERENCE: 02-708-A (400,080)
CURRENT APPLICATION NUMBER: PCT/US03/04088
CURRENT FILING DATE: 2003-04-28
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Pred. No. 1.7;
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PRIOR APPLICATION NUMBER: US 60/396,600
PRIOR APPLICATION NUMBER: US 60/396,600
PRIOR APPLICATION NUMBER: US 60/358,580
PRIOR APPLICATION NUMBER: US 60/363,124
PRIOR PILING DATE: 2002-03-11
PRIOR PLING DATE: 2002-03-11
PRIOR PLING DATE: 2002-06-06
PRIOR PILING DATE: 2002-06-06
PRIOR PILING DATE: 2002-06-06
PRIOR PILING DATE: 2002-09-05
PRIOR APPLICATION NUMBER: US 60/406,784
PRIOR PILING DATE: 2002-09-05
PRIOR APPLICATION NUMBER: US 60/408,378
PRIOR PLING DATE: 2002-09-05
PRIOR APPLICATION NUMBER: US 60/409,293
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ) LOCATION: (20)...(21)
; OTHER INFORMATION: n stands for thymidine PCT-US03-04088-538
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 542, Application PC/TUS0304088 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match 89.5%; Sc
Best Local Similarity 100.0%; P
Matches 17; Conservative 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NUMBER OF SEQ ID NOS: 626
SOFTWARE: PatentIn version 3.2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: RNA
ORGANISM: Artificial
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PCT-US03-04088-542
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: Weinrich, Scott
APPLICANT: Atkinson III, Edward
APPLICANT: Atkinson III, Edward
APPLICANT: Lichtsteiner, Serge
APPLICANT: Lichtsteiner, Serge
APPLICANT: Lichtsteiner, Serge
APPLICANT: Unitsteiner, Serge
APPLICANT: Pruzan, Ronald
ITILE OF INVENTION: Uninbitors
ITILE OF INVENTION: Uninbitors
ITILE OF INVENTION: Inhibitors
ITILE OF INVENTION: Inhibitors
FILE REPERBNCE: 011/066C
CURRENT APPLICATION NUMBER: US/10/330,872A
CURRENT APPLICATION NUMBER: 08/10,736
PRIOR FILING DATE: 1995-08-04
PRIOR FILING DATE: 1997-04-04
PRIOR FILING DATE: 1997-01-18
PRIOR FILING DATE: 1997-01-18
PRIOR FILING DATE: 1997-04-04
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 19; DB 10; Length 30;
Pred. No. 0.097;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Indels
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CURRENT APPLICATION NUMBER: US/10/330,872
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: McSwiggen, James
                                                  PRIOR APPLICATION NUMBER: 08/510,736
PRIOR FILING DATE: 1995-08-04
PRIOR FILING DATE: 1995-04-04
PRIOR FILING DATE: 1997-04-04
PRIOR PRIOR APPLICATION NUMBER: 09/420,056
PRIOR FILING DATE: 1999-10-18
PRIOR PRILING DATE: 1999-10-18
PRIOR FILING DATE: 2000-11-20
NUMBER OF SEQ ID NOS: 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PCT-US03-04088-538/c
; Sequence 538, Application PC/TUS0304088
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 5, Application US/10330872A GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 GCTCTAGAATGAACGGTGG 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 GCTCTAGAATGAACGGTGG 19
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match 100.
Best Local Similarity 100.
Matches 19; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: DNA
CORGANISM: Homo sapiens
US-10-330-872-5
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ORGANISM: Homo sapiens
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LENGTH: 30
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NUMBER OF SEQ ID NOS: 626

SOFTWARE: PatentIn version 3.2

SOFTWARE: PatentIn version 3.2

SEQ ID NO 542

LENGTH: 21

TYPE: RNA
ORGANISM: Artificial
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: sinA antisense region
FEATURE:
NAME/KEX: misc. feature
COTHER INFORMATION: 0.20) ... (20)
COTHER INFORMATION: n stands for thymidine
COTHER INFORMATION: n stands for thymidine
                                                                                                                                                                                                                                                                                                                                                                                                                       0; Gaps
                                                                                                                                                                                                                                                                                                                                                               Query Match 89.5%; Score 17; DB 1; Length 21; Best Local Similarity 76.5%; Pred. No. 1.7; Matches 13; Conservative 4; Mismatches 0; Indels
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1 UCUAGAAUGAACGGUGG 17
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299.770 Million cell updates/sec
                                             June 23, 2003, 05:20:00 ; Search time 1593.58 Seconds
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Copyright (c) 1993 - 2003 Compugen Ltd.
                                                                                                                                       24791104 seqs, 12571243825 residues
                                                                                                                                                                       Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  /cgn2_6/ptodata/2/pna/US102A
/cgn2_6/ptodata/2/pna/US102B
                              - nucleic search, using sw model
                                                                                                                                                                                                                Post-processing: Listing first 45 summaries
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Gapop_60.0 , Gapext 60.0
                                                                                                GCTCTAGAATGAACGGTGG 19
                                                                               US-08-770-564A-9
                                                                                                                                                                                       Minimum DB seq length: 0 Maximum DB seq length: 50
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Perfect score:
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                                OM nucleic
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                                                                                                 Sequence:
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| cgg12 | 6 | ptodata | 2 | pna | US6 001 | COMB. seq: | cgn2 | 6 | ptodata | 2 | pna | US6 002 | COMB. seq: | cgn2 | 6 | ptodata | 2 | pna | US6 002 | COMB. seq: | cgn2 | 6 | ptodata | 2 | pna | US6 002 | COMB. seq: | cgn2 | 6 | ptodata | 2 | pna | US6 005 | COMB. seq: | cgn2 | 6 | ptodata | 2 | pna | US6 005 | COMB. seq: | cgn2 | 6 | ptodata | 2 | pna | US6 005 | COMB. seq: | cgn2 | 6 | ptodata | 2 | pna | US6 007 | COMB. seq: | cgn2 | 6 | ptodata | 2 | pna | US6 001 | COMB. seq: | cgn2 | 6 | ptodata | 2 | pna | US6 001 | COMB. seq: | cgn2 | 6 | ptodata | 2 | pna | US6 001 | COMB. seq: | cgn2 | 6 | ptodata | 2 | pna | US6 001 | COMB. seq: | cgn2 | 6 | ptodata | 2 | pna | US6 001 | COMB. seq: | cgn2 | 6 | ptodata | 2 | pna | US6 001 | COMB. seq: | cgn2 | 6 | ptodata | 2 | pna | US6 001 | COMB. seq: | cgn2 | 6 | ptodata | 2 | pna | US6 001 | COMB. seq: | cgn2 | 6 | ptodata | 2 | pna | US6 001 | COMB. seq: | cgn2 | 6 | ptodata | 2 | pna | US6 001 | COMB. seq: | cgn2 | 6 | ptodata | 2 | pna | US6 002 | COMB. seq: | cgn2 | 6 | ptodata | 2 | pna | US6 002 | COMB. seq: | cgn2 | 6 | ptodata | 2 | pna | US6 002 | COMB. seq: | cgn2 | 6 | ptodata | 2 | pna | US6 002 | COMB. seq: | cgn2 | 6 | ptodata | 2 | pna | US6 002 | COMB. seq: | cgn2 | 6 | ptodata | 2 | pna | US6 002 | COMB. seq: | cgn2 | 6 | ptodata | 2 | pna | US6 002 | COMB. seq: | cgn2 | 6 | ptodata | 2 | pna | US6 002 | COMB. seq: | cgn2 | 6 | ptodata | 2 | pna | US6 002 | COMB. seq: | cgn2 | 6 | ptodata | 2 | pna | US6 002 | COMB. seq: | cgn2 | 6 | ptodata | 2 | pna | US6 003 | COMB. seq: | cgn2 | 6 | ptodata | 2 | pna | US6 003 | COMB. seq: | cgn2 | 6 | ptodata | 2 | pna | US6 003 | COMB. seq: | cgn2 | 6 | ptodata | 2 | pna | US6 003 | COMB. seq: | cgn2 | 6 | ptodata | 2 | pna | US6 003 | COMB. seq: | cgn2 | 6 | ptodata | 2 | pna | US6 003 | COMB. seq: | cgn2 | 6 | ptodata | 2 | pna | US6 003 | COMB. seq: | cgn2 | 6 | ptodata | 2 | pna | US6 003 | COMB. seq: | cgn2 | 6 | ptodata | 2 | pna | US6 003 | COMB. seq: | cgn2 | 6 | ptodata | 2 | pna | US6 003 | COMB /cgn2_6/ptodata/2/pna/US6041

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SUMMARIES	

	Appli	Appli	Appli	Appli	Appl	Appl	Appli	Appli	Appli	Appl	Appl	App1	App1	Appl	Appl	Appl	Appl	Appl	Appl	Ann
Description	Sequence 9, A	Sequence 9,	4	Sequence 4,	Sequence 27, 1	27,	Sequence 4, A	4	4	Sequence 23, 1	Sequence 19,	Sequence 24, 1	Sequence 24,	Sequence 23,	Sequence 19,	Sequence 41,	Sequence 23,	Sequence 23,	Sequence 23,	CLC COMOMOD
ΩI	PCT-US97-23619-9	US-08-770-564A-9	US-09-250-336A-4	US-09-642-177-4	PCT-US96-14679-27	PCT-US96-14679A-27	PCT-US99-03302-4	PCT-US99-07533-4	PCT-US99-07533-4	US-08-272-102-23	US-08-387-524-19	US-08-472-802A-24	US-08-472-802B-24	US-08-482-115A-23	US-08-520-550-19	US-08-521-634-41	US-08-660-678-23	US-08-911-312-23	US-08-911-312A-23	110-00-017-061-217
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Query Match	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	000
Score	19	19	19	19	19	19	19	19	19	19	19	19	19		19	19	19	19	19	-
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Sequence 9, Application US/08770564A
Sequence 9, Application US/08770564A
SPELICANT: Kealey, James T.
APPLICANT: Pruzan, Ron
TITLE OF INVENTION: Inhibitory Polynucleotides Directed
TITLE OF INVENTION: Against the RNA Component of Telomerase
NUMBER OF SEQUENCES: 15
CORRESPONDENCE ADDRESS:
ADDRESSEE: TWO Embarcadero Center, 8th Floor
CITY: San Francisco
STATE: CA
COUNTY: USA
ZIP: 94111
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ö
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100.0%; Score 19; DB 1; Length 19;
Best Local Similarity 100.0%; Pred. No. 0.68;
Matches 19; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/770,564A
FILING DATE: 20-DEC-1996
ATTORNEY APPLICATION: 514
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 REFERENCE/DOCKET NUMBER: 015389-002200US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-576-0200
INFORMATION FOR SEQ ID NO: 9:
SEQUENCE CHARACTERISTICS:
LENGTH: 19 base pairs
                                                                                                           NAME/KEY: -
LOCATION: 1..19
COTHER INFORMATION: /note= "oligo 21ab"
PCT-US97-22619-9
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ATTORNEY AGENT INFORMATION:
NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         19; Conservative
     LENGTH: 19 base pairs
                        TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: nucleic acid
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US-08-770-564A-9
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Best Local Similarity
                                                                            MOLECULE TYPE: DNA
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US-08-770-564A-9
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US-09-250-336A-4
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Sequence 598, App
Sequence 26, Appli
Sequence 212, App
Sequence 312, App
Sequence 26, Appli
Sequence 8, Appli
Sequence 8, Appli
Sequence 8, Appli
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Sequence 5
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                           Sequence
                                              Sequence
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APPLICANT:
APPLICANT:
TITLE OF INVENTION: Methods for Detecting and Inhibiting the
TITLE OF INVENTION: RNA Component of Telomerase
NUMBER OF SEQUENCES: 29
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               STREET: Two Embarcadero Center, Bighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC_DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US97/23619
FILING DATE: NOW yet assigned
CLASSIFICATION:
US-08-974-549-598

US-09-057-351-23

US-09-057-351-23

US-09-220-336-4

US-09-220-336-4

US-09-402-1818-598

US-09-402-1818-598

US-09-402-1818-598

US-09-432-503-598

US-09-653-573-5

US-09-653-573-5

US-09-653-573-5

US-09-6890-567-9

US-10-044-692-312

US-10-044-692-312

US-10-044-692-312

US-10-044-692-312

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US-08-510-736-8

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US-08-510-736-8

US-08-717-8288-5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADDRESSEE: Townsend and Townsend and Crew LLP STREET: Two Embarcadero Center, Eighth Floor
                                                                                                                                                                                                                                                                                                                                                                                                        -09-717-829A-5
                                                                                                                                                                                                                                                                                                                                                                                                    US-09-717-829A-5
US-09-903-461-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ALIGNMENTS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/770,564
FILING DATE: 20-DEC-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/770,565
FILING DATE: 20-DEC-1996
ATTORNEY/AGENT INFORMATION:
NAME: Storella, John R.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 9, Application PC/TUS9723619
GENERAL INFORMATION:
APPLICANT:
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REGISTRATION NUMBER: 32,944
REGISTRATION NUMBER: 1538;
TELEPHONE: (415) 576-0200
INFORMATION FOR SEQ ID NO: 9:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PCT-US97-23619-9
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CLASSIFICATION:
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STREET: 20
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                                                                        APPLICANT: STAMBERG, Judith
APPLICANT: ABRUZZO, Lynne V.
APPLICANT: HIGHERG, FOUTE V.
APPLICANT: HIGHERGE ASSAY OF BODY FLUIDS FOR CANCER SCREENING
TITLE OF INVENTION: TELOMERASE ASSAY OF BODY FLUIDS FOR CANCER SCREENING
TITLE OF INVENTION: AND ASSESSMENT OF DISEASE STAGE AND PROGNOSIS
TITLE OF INVENTION: AND ASSESSMENT OF DISEASE STAGE AND PROGNOSIS
CURRENT APPLICATION NUMBER: US 60/074,793
PRIOR APPLICATION NUMBER: US 60/074,793
PRIOR APPLICATION NUMBER: PCT/US99/03302
PRIOR FILING DATE: 1998-02-16
PRIOR FILING DATE: 1999-02-16
WUMBER OF SEQ ID NOS: 4
SOFTWARE: PATENTIN VET. 2.1
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// OTHER INFORMATION: Description of Artificial Sequence:R3c, Primer
US-09-250-336A-4
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match 100.0%; Score 19; DB 16; Length 25; Best Local Similarity 100.0%; Pred. No. 0.67; Matches 19; Conservative 0; Mismatches 0; Indels
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100.0%; Score 19; DB 25; Length 25;
Best Local Similarity 100.0%; Pred. No. 0.67;
Matches 19; Conservative 0; Mismatches 0; Indels
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APPLICANT: STROYEL, Judith
APPLICANT: STROYEL, Judith
APPLICANT: STROYEL, Judith
APPLICANT: ARRUZZO, Lynne V.
APPLICANT: HIGHMITH, Edward
TITLE OF INVENTION: TELOMERASE ASSAY OF BODY FLUIDS
FILE REFERRICE: 10460-0019
CURRENT APPLICATION NUMBER: US/09/642,177
CURRENT FILING DATE: 2000-08-18
PRIOR PILING DATE: 1999-02-16
PRIOR APPLICATION NUMBER: US 09/250,336
PRIOR PILING DATE: 1999-02-16
PRIOR PILING DATE: 1999-02-16
PRIOR PILING DATE: 1999-02-16
NUMBER OF SEQ. ID NOS: 6
NUMBER OF SEG. ID NOS: 6
SOFTWARE: Patentin Ver. 2.1
Application US/09250336A
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                                                    STROVEL, Jeffrey W
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: DNA ORGANISM: Artificial Sequence
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ORGANISM: Unknown Organism
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LENGTH: 25
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LENGTH: 25
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RESULT 5 PCT-US96-14679-27

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Sequence 27, Application PC/TUS9614679
GENERAL INFORMATION:
APPLICANT: VILLEPONTEAU, BRYANT
APPLICANT: FENG JUNLI
APPLICANT: ANDREWS, WILLIAM H.
APPLICANT: ADAMS, ROBERT R.
TITLE OF INVENTION: METHODS AND REAGENTS FOR REGULATING
TITLE OF INVENTION: TELOMERE LENGTH AND TELOMERASE ACTIVITY
NUMBER OF SEQUENCES: 27
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 27, Application PC/TUS9614679A
GENERAL INFORMATION:
APPLICANT: VILLEPONTEAU, BRYANT
APPLICANT: PENG, JUNLI
APPLICANT: ANDREWS, WILLIAM H.
APPLICANT: ADAMS, ROBERT R.
TITLE OF INVENTION: METHODS AND REAGENTS FOR REGULATING
TITLE OF INVENTION: TELOMERE LENGTH AND TELOMERASE ACTIVITY
NUMBER OF SEQUENCES: 27
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COMPUTER READABLE FORM:
MEDIUM TYER: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION NATA:
APPLICATION NUMBER: PCT/US96/14679
FILING DATE: 13-SEP-1996
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COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ATTORNEY/AGENT INFORMATION:
NAME: KASTER ESQ., KEVIN R.
REGISTRATION NUMBER: 32,704
REPERENCE/DOCKET NUMBER: 012/045PCT
TELECOMMUNICATION:
TELEPHONE: (415) 473-7779
                                                                                                                                                                                                                                         SSEE: GERON CORPORATION F: 200 CONSTITUTION DRIVE MENLO PARK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CORRESPONDENCE ADDRESS:
ADDRESSEE: GERON CORPORATION
STREET: 200 CONSTITUTION DRIVE
CITY: MENLO PARK
STATE: CALIFORNIA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 GCTCTAGAATGAACGGTGG 19
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Best Local Similarity 100.
Matches 19; Conservative
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LENGTH: 26 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
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ZIP: 94025
COMPUTER READABLE FORM:
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TITLE OF INVENTION: TELOMERASE-ASSOCIATED PROTEINS
FILE REFERENCE: 07265/157W01
CURRENT APPLICATION NUMBER: PCT/US99/07533A
CURRENT PILING DATE: 1999-04-06
BARLIER APPLICATION NUMBER: 60/080,783
BARLIER PILING DATE: 1998-04-06
NUMBER OF SEQ ID NOS: 15
SOFWARRE: FASTESEQ FOR WINDOWS VEISION 3.0
SEQ ID NO 4
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                                                           EARLIER FILING DATE: 1998-04-06
NUMBER OF SEQ ID NOS: 15
SOFTWARE: FastSEQ for Windows Version 3.0
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GENERAL INFORMATION:
APPLICANT: VILLEPONTEAU, Bryant
APPLICANT: FING, Junii
APPLICANT: FUNK, Walter
APPLICANT: ANDERWS, William H.
TITLE OF INVENTION: HUMAN TELOMERASE
NUMBER OF SEQUENCES: 24
                            EARLIER APPLICATION NUMBER: 60/080,783
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ; Sequence 4, Application PC/TUS9907533A; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                100.0%; Sc
100.0%; Pr
tive 0;
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                                                                                                                                                                                                                                TYPE: DNA
ORGANISM: Artificial Sequence
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MEDIUM TYPE: Floppy disk
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Best Local Similarity 100.
Matches 19; Conservative
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Best Local Similarity 100.
Matches 19; Conservative
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COTHER INFORMATION: primer
PCT-US99-07533-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ; OTHER INFORMATION: primer PCT-US99-07533-4
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ADDRESSEE: Townsend
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              STREET: 3/2 L. CITY: Palo Alto STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COMPUTER: IBM PC
OPERATING SYSTEM:
SOFTWARE: PatentI
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                                                                                                                                                             SEO ID NO 4
LENGTH: 26
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APPLICANT: Strovel, Jeffrey W
APPLICANT: Strovel, Judith
APPLICANT: Strovel, Judith
APPLICANT: Strovel, Lynne V
APPLICANT: Highsmith, Edward
TITLE OF INVENTION: Telomerase Assay of Body Fluids for Cancer Screen;
TITLE OF INVENTION: and Assessment of Disease Stage and Prognosis
TITLE OF INVENTION: and Assessment of Disease Stage and Prognosis
FILE REPRENCE: 1489JS 60/74,793
CURRENT FILING DATE: 1999-02-16
EARLIER APPLICATION NUMBER: 60/074,793
EARLIER PILING DATE: 1998-02-16
NUMBER OF SEQ ID NOS: 4
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 4
SEQ ID NO 4
SEQ ID NO 5
SEQ ID NO
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Best Local Similarity 100.0%; Pred. No. 0.67;
Matches 19; Conservative 0; Mismatches οι τωλαι
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match 100.0%; Score 19; DB 1; Length 26; Best Local Similarity 100.0%; Pred. No. 0.67; Matches 19; Conservative 0; Mismatches 0; Indels
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CURRENT APPLICATION NUMBER: 1999-04-06
                                                                                                                                        ATTORNEY/AGENT INFORMATION:
NAME: KASTER ESQ., KEVIN R.
REGISTRATION NUMBER: 32,704
REFERENCE/DOCKET NUMBER: 012/045PCT
TELECOMMUNICATION:
TELEPHONE: (415) 473-7779
                                             APPLICATION NUMBER: PCT/US96/14679A
FILING DATE: 13-SEP-1996
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 4, Application PC/TUS9903302 GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                 INFORMATION: (415) 473-7779

TELEFAX: (415) 473-7779

TELEFAX: (415) 473-7770

TELEFAX: (415) 473-7770

SEQUENCE CHARACTERISTICS:
LENGTH: 26 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLATY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      5 GCTCTAGAATGAACGGTGG 23
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MOLECULE TYPE: DNA (genomic)
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CURRENT APPLICATION DATA:
                                                                                                                CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PCT-US96-14679A-27
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PCT-US99-03302-4
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       STAIL.

COUNTRY: USA
ZIP: 9411-3834

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBN C compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
CURRENT APPLICATION DATA:
CURRENT APPLICATION UNMER: US/08/472,802A
FLING DATE: 07-JUN-1995

TLING DATE: 07-JUN-1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NUMBER OF SEQUENCES: 40
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
                                                                                                                                                                                                                                                                                                                                                                                                        US-08-472-802A-24

Sequence 24, Application US/08472802A

Sequence 24, Application US/08472802A

GENERAL INFORMATION:
APPLICANT: Villeponteau, Bryant
APPLICANT: Feng, Junii
APPLICANT: Funk, Walter
APPLICANT: Andrews, William H.
TITLE OF INVENTION: Mammalian Telomerase
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PILING DATE: 07-UN-1995
CLASSIFICATION: 514
PRIOR PAPLICATION: 514
PRIOR PAPLICATION 514
PRIOR PAPLICATION DATE: 08/272,102
PILING DATE: 07-ULL-1994
PRIOR APPLICATION NUMBER: US 08/330,123
PILING DATE: 27-CCT-1994
ATTORNEY/AGENT INFORMATION:
NAME: SECRELIA, JOHN R.
REGISTRATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 15389-00082
                                                                                                                                                                                                                                                                            1 GCTCTAGAATGAACGGTGG 19
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TELECOMMUNICATION INFORMATION TELEPHONE: (415) 576-0200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 24:
SEQUENCE CHARACTERISTICS:
                                                                                                     ; MOLECULE TYPE: DNA (genomic) US-08-387-524-19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity 100.0
Matches 19; Conservative
                   26 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      STREET: Two Embarcade CITY: San Francisco STATE: California COUNTRY: USA
                                         TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 nucleic acid
EDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          STRANDEDNESS:
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                     LENGIH:
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100.0%; Score 19; DB 6; Length 26;
Best Local Similarity 100.0%; Pred. No. 0.67;
Matches 19; Conservative 0; Mismatches 0: Indele
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C. STREET: Two Militia Drive CITY: Lexington
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  MEDIUM TYPE: Floppy disk COMPUTER: IBM PC COMPATIBLE COMPATIBLE COMPUTER: IBM PC COMPATIBLE COMPATIBLE COMPATIBLE COMPATIBLE PC-DOS/MS-DOS SOFFWARE: Patentin Release #1.0, Version #1.30 CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/387,524 FLING DATE: 13-FEB-1995 CLASSIFICATION: 435 PRIOR APPLICATION NUMBER: US 08/330,123 PLING DATE: 27-OCT-1994 PLING DATE: 27-OCT-1994 PRIOR APPLICATION NUMBER: US 08/272,102 FLILNG DATE: OT-JUL-1994 ATTONNEY/AGENT INFORMATION:
NAME: Granahan, Patricia REGISTRATION NUMBER: 32,227 REGISTRATION NUMBER: CSHL94-05A3 TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617-861-6240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: Andrews, William H.
APPLICANT: Peng, Junia
APPLICANT: Peng, Junia
APPLICANT: Funk, Walter
APPLICANT: Greider, Carol
APPLICANT: Marhuenda, Maria A. B.
APPLICANT: Walter
APPLICANT: Walter
APPLICANT: Walter
APPLICANT: Willeponteau, Bryant
TITLE OF INVENTION: RNA Component of Telomerase
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/272,102
FILING DATE: 07-UUL-1994
CLASSIFTCATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Smith, William M
REGISTRATION NUMBER: 15389-000800
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 326-2440
TELEPHONE: (415) 326-2422
INFORMATION FOR SEQ ID NO: 23:
SEQUENCE CHARACTERISTICS:
LENGTH: 26 base pairs
TYPE: nucleic acid
STRANDENNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 19, Application US/08387524
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 GCTCTAGAATGAACGGTGG 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TELEPAX: 617-861-9540
INFORMATION FOR SEQ ID NO: 19:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
COMPUTER: IBM PC com
                                                                                                                                                                                                                                                                                                                                                                                     ; TOPOLOGY: linear; MOLECULE TYPE: DNA US-08-272-102-23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ß
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COUNTRY:
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APPLICATION NUMBER: US 08/387,524
FILING DATE: 13-FEB-1995
PRIOR APPLICATION DATA:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    RESULT 15
US-08-520-550-19
; Sequence 19, Application US/08520550
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Andrews, William H.
Avilion, Ariel A.
Feng, Junli
Funk, Walter
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                                                                                                                                                                                                                                                                                                                                                                                              TELECOMMUNICATION INFORMATION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADDRESSEE: Hamilton, Brook
STREET: Two Militia Drive
CITY: Lexington
                                                                                                                                                                                                                                                                                                                                                                                                                       (415) 326-2400
                                                                                                                                                                                                                                                                                                                                                                                                                                      TELEFAX: (415) 326-2422 INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Greider, Carol
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match 100.
Best Local Similarity 100.
Matches 19; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            26 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            nucleic acid
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ZIP: 02173
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            linear
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                         TELEPHONE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              STATE: MA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COUNTRY:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Indels
                                                                                                                                                                                                                                                                                                                                                                                       OPERATING SYSTEM: PC_DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/472,802B
FILING DATE: 07-JUN-1995
CLASSIFICATION DATA:
APPLICATION DATA:
APPLICATION NUMBER: US 08/272,102
FILING DATE: 07-JUL-1994
PRIOR APPLICATION NUMBER: US 08/330,123
FILING DATE: 27-OCT-1994
ATTONENY/AGENT INFORMATION:
ANAMERICATION NUMBER: US 08/330,123
FILING DATE: 27-OCT-1994
ATTONENY/AGENT INFORMATION:
ANAMERICATION NUMBER: US 08/330,123
FILING DATE: 27-OCT-1994
ATTONENY/AGENT INFORMATION:
                                                                                                                                                                                       ADDRESSEE: Townsend and Townsend and Crew LLP STREET: Two Embarcadero Center, Eighth Floor STRY: San Francisco STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADDRESSEE: Townsend and Townsend and Crev STREET: Two Embarcadero Center, 8th Floor CITY: San Francisco STATE: California COUNTRY: US
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                0; Mismatches
           Sequence 24, Application US/08472802B
GENERAL INFORMATION:
APPLICANT: Villeponteau, Bryant
APPLICANT: Feng, Junii
APPLICANT: Andrews, William H.
TITLE OF INVENTION: Mammalian Telomerase
NUMBER OF SEQUENCES: 43
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NAME: Smith, William M.
REGISTRATION NUMBER: 30,223
REFERENCE/DOCKET NUMBER: 15389-000820
TELECOMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: FERG, Junii
APPLICANT: FUNK, Walter
APPLICANT: ANDREWS, William H.
TITLE OF INVENTION: HUMAN TELOMERASE
NUMBER OF SEQUENCES: 34
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 23, Application US/08482115A GENERAL INFORMATION:
                                                                                                                                                                                                                                                             ZIP: 04111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Ploppy disk
COMPUTER: IBM PC comparible
OPERATING SYSTEM: PC-DOS/MR-DCURPEN: PRE-DOS/MR-DCURPEN:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    VILLEPONTEAU, Bryant
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 GCTCTAGAATGAACGGTGG 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
LENGTH: 26 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity 100.0
Matches 19; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TOPOLOGY: 11
MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ZIP: 94111
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US-08-482-115A-23
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APPLICANT:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Hamilton, Brook, Smith & Reynolds, P.C.
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/482,115A
FILING DATE: O'-JUN-1995
CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               MEDIUM TYPE: Floppy disk
COMPUTER: ISM PC compartable
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
FILING DATE: 29-AUG-1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: Marhuenda, Maria A. B.
APPLICANT: Villaponteau, Bryant
TITLE OF INVENTION: RNA Component of Telomerase
NUMBER OF SEQUENCES: 43
                                                                             FILING DATE: 07-UN-1995
CLASSIFICATION: 435
PRIOR APPLICATION 135
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/330,123
FILING DATE: 27-OCT-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/272,102
FILING DATE: 07-UL-1994
ATTORNEY/AGENT INFORMATION:
NAME: SMITH, WILLIAM M
REGISTRATION NUMBER: 15389-00083
REFERENCE/DOCKET NUMBER: 15389-
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## APPLICATION NUMBER: US 08/330,123
## PILING DATE: 27-OCT-1994
## PRIOR APPLICATION DATE: 27-OCT-1994
## PRIOR APPLICATION DATE: US 08/272,102
## PILING DATE: U7-JUL-1994
## ATTORNEY/AGENT NRORMATION:
## REGISTRATION NUMBER: 32,227
## REGISTRATION NUMBER: 32,227
## RETERENCE/DOCKET NUMBER: CSHL94-05A3B
## TELECOMMUNICATION INFORMATION:
## TELEPHONE: 617-861-6540
## TELEPHONE: 617-861-6540
## TELEPHONE: 617-861-0540
## TE
```

Search completed: June 23, 2003, 16:08:21 Job time : 1593.65 secs

(OTASU) NNA_18 30A9 SIHT

Sequence 44593, A Sequence 44594, A Sequence 104702, Sequence 11, Appl Sequence 11, Appl Sequence 13, Appl

Sequence 40, Sequence 12, Al Sequence 7, Appl Sequence 15, Appl Sequence 16, Al Sequence 10, Al

Sequence 8 Sequence 2,

Sequence 14, Apsequence 18, Apsequence 11, Appequence 11, Appequen

Sequence 29, Apsociated Sequence 3, Appointment Sequence 15, Appointmen

Sequence 2, A Sequence 49, Sequence 24, Sequence 11,

Sequence 2

Perfect score:

Run on:

Seguence:

Scoring table:

Word size :

Database

Searched:

```
Andrews, William H.
TITLE OF INVENTION: HUMAN TELOMERASE CATALYTIC SUBUNIT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADDRESSEE: Townsend and Townsend and Crew LLP STREET: Two Embarcadero Center, 8th Floor
US-10-098-263B-33532

US-10-098-263B-44593

US-10-098-263B-14702

US-10-098-263B-104702

US-10-098-263B-117265

US-10-118-495-11

US-10-118-495-13

US-10-118-495-13

US-10-118-495-13

US-10-118-495-13

US-09-268-818-61

US-09-848-616-12

US-09-848-616-12

US-09-848-616-12

US-09-848-616-12

US-09-848-616-12

US-09-848-616-12

US-09-848-616-12

US-09-848-618-13

US-09-964-895-15

US-09-964-895-15

US-09-784-508-11

US-09-784-508-11

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US-09-784-508-11

US-09-784-508-11

US-09-784-508-11

US-09-784-508-11

US-09-784-508-11

US-09-911-488-49

US-09-911-1768-24

US-10-10-71-488-49

US-10-10-71-488-49
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               FILING DATE: «Unknown»
APPLICATION NUMBER: US 08/854,050
FILING DATE: 09-MAY-1997
APPLICATION NUMBER: US 08/851,843
FILING DATE: 06-MAY-1997
APPLICATION NUMBER: US 08/846,017
FILING DATE: 25-APR-1997
APPLICATION NUMBER: US 08/844,419
FILING DATE: 18-APR-1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                THERAPEUTIC METHODS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      COUNTRY: United States of America ZIP: 94111
                                                                                                                                                                                                                                                                                                                                                                                                                        ALIGNMENTS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/912,951
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 312, Application US/10044692; Publication No. US20030096344A1
GENERAL INFORMATION:
APPLICANT: Cech, Thomas R.
Information Nakamura, Toru Chapman, Karen B.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Morin, Gregg B.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CITY: San Francisco
                                                                           CORRESPONDENCE ADDRESS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Harley, Cal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NUMBER OF SEQUENCES:
      JS-10-044-692-312
    U
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Sequence 312, App
Sequence 23, Appl
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 31, Appl
Sequence 6862, Ap
Sequence 64498, A
Sequence 16, Appl
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Sequence 3, Appli
Sequence 17, Appl
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 13, Appl
                                                                                                    June 23, 2003, 06:41:29; Search time 152.681 Seconds (without alignments) 182.610 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 23, Al
Sequence 118949,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 1959,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 9, Ar
Sequence 676,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 3,
Sequence 17,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                    /cgn2_6/prodata/1/pubpna/USO7_PUBCOMB.seq:*
/cgn2_6/prodata/1/pubpna/PCT WEW PUB.seq:*
/cgn2_6/prodata/1/pubpna/NGO6_WEW PUB.seq:*
/cgn2_6/prodata/1/pubpna/USO6_PUBCOMB.seq:*
/cgn2_6/prodata/1/pubpna/USO6_PUBCOMB.seq:*
/cgn2_6/prodata/1/pubpna/USO8_WEW PUB.seq:*
/cgn2_6/prodata/1/pubpna/USO8_PUBCOMB.seq:*
/cgn2_6/prodata/1/pubpna/USO8_PUBCOMB.seq:*
/cgn2_6/prodata/1/pubpna/USO8_PUBCOMB.seq:*
/cgn2_6/prodata/1/pubpna/USO8_PUBCOMB.seq:*
/cgn2_6/prodata/1/pubpna/USO8_PUBCOMB.seq:*
/cgn2_6/prodata/1/pubpna/USO8_PUBCOMB.seq:*
                  version 5.1.6
- 2003 Compugen Ltd.
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US-10-098-263B-118949
US-09-952-522B-19
US-09-844-006A-3
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US-09-952-5228-11
US-10-215-112-6862
US-10-098-2638-64498
US-10-011-366-16
US-09-969-373-1959
US-09-997-868-13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-09-952-522B-9
US-09-754-833A-676
US-10-245-813-2
US-10-098-263B-10750
US-10-098-263B-2667
                                                                                                                                                                                                                                                                                                                           Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-09-765-873A-5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-10-044-692-312
US-10-044-539-312
                                                                                                                                                                                                                                                                     1042519 segs, 733713590 residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SUMMARIES
                                                                                                                                                                                                                                                                                                                                                                                                                                      Published Applications NA:*
                                                                        OM nucleic - nucleic search, using sw model
                                                                                                                                                                                                                                                                                                                                                                                                        Post-processing: Listing first 45 summaries
                                                                                                                                                            US-08-770-564A-9
19
1 GCTCTAGAATGAACGGTGG 19
                                                                                                                                                                                                                        OLIGO_NUC
Gapop_60.0 , Gapext 60.0
                 GenCore
Copyright (c) 1993
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query
Match Length
                                                                                                                                                                                                                                                                                                                                                           Minimum DB seq length: 0 Maximum DB seq length: 50
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                100.0
100.0
68.4
68.4
63.2
63.2
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Sequence 2, Applî Sequence 10750, A Sequence 22667, A

Score

Result Š. 01123110

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DIAGNOSTIC AND

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100.0%; Score 19; DB 9; Length 26; 100.0%; Pred. No. 0.021; tive 0; Mismatches 0; Indels
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CADDUM TYPE: Floppy disk
COMPUTER: IBM PC COMPATIBLE
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PATENTIN Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/057,351
FILING DATE: 08-APR-1994
PRIOR APPLICATION NUMBER: US/09/057,351
FILING DATE: 07-JUL-1994
PRIOR APPLICATION NUMBER: US/08/330,123
FILING DATE: 27-OCT-1994
PRIOR APPLICATION NUMBER: US/08/330,123
FILING DATE: 17-OCT-1994
ATTOMENY/AGENT: UF/08/ATTOMENY/AGENT: US/08/ATZ,802
ATTOMENY/AGENT: UF/08/ATZ,802
ATTOMENY/AGENT: UF/08/ATZ,802
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Townsend and Townsend and Crew LLP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADDRESSEE: Townsend and Townsend and Low STREET: Two Embarcadero Center, Eighth Floor CITY: San Francisco STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 23, Application US/09057351
; Patent No. US20010034439A1
; GENERAL INFORMATION:
APPLICANT: Villeponteau, Bryant
; APPLICANT: Feng, Juni1
; APPLICANT: Funk, Walter
; APPLICANT: Funk, Walter
; TITE OF INVENTION: Mammalian Telomerase
; UWMBER OF SEQUENCES: 42
; CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        REFERENCE/DOCKET NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 015389-000821US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0000
                                                                                                                                                                                                                                                                                                                     ;
SEQUENCE DESCRIPTION: SEQ ID NO: 312:
US-10-044-539-312
                                                                                                          TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 312:
SEQUENCE CHARACTERISTICS:
LENGTH: 26 base pairs
                                                                               TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 GCTCTAGAATGAACGGTGG 19
                                                                                                                                                                                                                                      TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NAME: Storella, John R
REGISTRATION NUMBER: 3:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Conservative
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Best Local Similarity
Matches 19; Conserv
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ZIP: 94111-3834
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US-09-057-351-23
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TITLE OF INVENTION: HUMAN TELOMERASE CATALYTIC SUBUNIT: DIAGNOSTIC AND
THERAPEUTIC METHODS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ;
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MEDLUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/10/044,539

FILING DATE: 11-Jan-2002

CLASSIFICATION 1435

PRIOR APPLICATION NUMBER: 08/912,951

FILING DATE: 09-MAY-1997

APPLICATION NUMBER: US 08/854,050

FILING DATE: 09-MAY-1997

APPLICATION NUMBER: US 08/851,843

FILING DATE: 08-MAY-1997

APPLICATION NUMBER: US 08/846,017

FILING DATE: 18-APR-1997

APPLICATION NUMBER: US 08/844,119

FILING DATE: 18-APR-1997

APPLICATION NUMBER: US 08/844,419

FILING DATE: 18-APR-1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match 100.0%; Score 19; DB 9; Length 26; Best Local Similarity 100.0%; Pred. No. 0.021; Matches 19; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP STREET: Two Embarcadero Center, 8th Floor CITY: San Francisco
                        FILING DATE: 01-OCT-1996
ATTORNEY/AGENT INFORMATION:
NAME: Apple, Randolph T.
REGISTRATION NUMBER: 36,429
REFERENCE/DOCKET NUMBER: 015389-002600US
TELECOMMUNICATION INFORMATION:
APPLICATION NUMBER: US 08/724,643
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             STATE: California
COUNTRY: United States of America
                                                                                                                                                                                                                                                                                                                  TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: DNA

SEQUENCE DESCRIPTION: SEQ ID NO: 312:
US-10-044-692-312
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Application US/10044539
5. US20030100093A1
                                                                                                                                                                               TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: Cech, Thomas R.
Lingner, Joachim
Nakamura, Toru
Chapman, Karen B.
Morin, Gregg B.
Harley, Calvin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 GCTCTAGAATGAACGGTGG 19
                                                                                                                                                                                                             TELEFAX: (415) 576-03(
INFORMATION FOR SEQ ID NO: 312:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                       LENGTH: 26 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                FILING DATE: 01-OCT-1 ATTORNEY/AGENT INFORMATION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NUMBER OF SEQUENCES: 335
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 312, Applicat Publication No. US2003 GENERAL INFORMATION:
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Sequence 3, Application US/09844006A

Patent No. US20020083496A1

GENERAL INFORMATION:

APPLICANT: Wyatt, Sarah

APPLICANT: Robertson, Dominique

APPLICANT: Robertson, Dominique

APPLICANT: Boss, Wendy,

TITLE OF INVENTION: TRANSGENIC PLANTS WITH INCREASES IN CALCIUM STORES

FILE REFERENCE: 5051.503

CURRENT FILING DATE: 2001-04-30

PRIOR APPLICATION NUMBER: 60/200,233

PRIOR APPLICATION NUMBER: 60/200,233

PRIOR APPLICATION NUMBER: 60/200,233

PRIOR SEQ ID NOS: 8

SOFTWARE: Patentin Version 3.0

SEQ ID NOS: 8

SEQ ID NOS: 8
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: Futreil, J. William
APPLICANT: Futreil, J. William
APPLICANT: Hedrick, Marc H.
APPLICANT: Benhaim, Prosper
APPLICANT: Lorent, Hermann Peter
APPLICANT: Zhu, Min
TITLE OF INVENTION: ADIPOSE-DERIVED STEM CELLS AND LATTICES
FILE REFERENCE: 3046477USII
CURRENT APPLICATION NUMBER: US/09/952,522B
CURRENT FILING DATE: 2001-09-10
                                                   Length 26;
                                                   Score 13; DB 9;
Pred. No. 94;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NAME/KEY: misc feature
LOCATION: (1).7(28)
OTHER INFORMATION: Synthetic Oligonucleotide.
                                                                   100.0%; Prec. ... 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PRIOR APPLICATION NUMBER: PCT/USO0/06232
PRIOR FILING DATE: 2000-03-10
PRIOR APPLICATION NUMBER: 60/123,711
PRIOR FILING DATE: 1999-03-10
PRIOR APPLICATION NUMBER: 60/162,462
PRIOR FILING DATE: 1999-10-29
RUNBER OF SEQ ID NOS: 58
SOFTWARE: Patentin Ver: 2.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ; Sequence 17, Application US/09952522B
; Publication No. US20030082152A1
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ORGANISM: Artificial Sequence
                                                                                                                                                    1 GCTCTAGAATGAA 13
                                                                                                                                                                                        1 GCTCTAGAATGAA 13
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                                                   Query Match 68.4
Best Local Similarity 100.
Matches 13; Conservative
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     US-09-952-522B-19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-09-844-006A-3
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: DNA
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Publication No. US20030104410A1
GENERAL INFORMATION:
APPLICANT: Mittenan, Michael
TITLE OF INVENTION: Human Microarray
FILE REFERENCE: 3118.1
CURRENT APPLICATION NUMBER: US/10/098,263B
CURRENT APPLICATION NUMBER: 60/276,759
FRIOR PFLING DATE: 2001-01-08
FRIOR PILING DATE: 2001-03-16
NUMBER OF SEQ ID NOS: 131066
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
LENGTH: 25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TITLE OF INVENTION: ADIPOSE-DERIVED STEM CELLS AND LATTICES FILE REFERENCE: 30448.70511
CURRENT APPLICATION WHERE: US/09/952,522B
CURRENT FILING DATE: 2001-09-10
PRIOR APPLICATION NUMBER: PCT/USO0/06232
PRIOR FILING DATE: 1090-03-10
PRIOR FILING DATE: 1999-03-10
PRIOR FILING DATE: 1999-03-10
PRIOR FILING DATE: 1999-010-29
NUMBER OF SEQ ID NOS: 58
SOFTWARE: PATENTIN VEY: 2.1
                                                                                                Query Match 100.0%; Score 19; DB 10; Length 26; Best Local Similarity 100.0%; Pred. No. 0.021; Matches 19; Conservative 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  DB 9; Length 25;
94;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Katz, Adam J.
APPLICANT: Liuli, Ramon
APPLICANT: Futrell, J. William
APPLICANT: Hedrick, Marc H.
APPLICANT: Benhalm, Prosper
APPLICANT: Lorenz, Hermann Peter
APPLICANT: Lorenz, Hermann Peter
                                                                                                                                                                                                                               5 GCTCTAGAATGAACGGTGG 23
                                                                                                                                                                                                     1 GCTCTAGAATGAACGGTGG 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  68.4%; ; 100.0%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       3 TCTAGAATGAACG 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match 68.4
Best Local Similarity 100.
Matches 13; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ORGANISM: Homo sapien
; TOPOLOGY: linear; MOLECULE TYPE: DNA US-09-057-351-23
                                                                                                                                                                                                                                                                                                                                                    10-098-263B-118949/c
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LENGTH: 26
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GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   OTHER INFORMATION: Description of Artificial Sequence: PPAR gamma 1; OTHER INFORMATION: forward primer
US-09-952-522B-31
; TYPE: DNA; ORGANISM: Artificial Sequence; PEATURE: PEATURE: OTHER INFORMATION: Description of Artificial Sequence: Osteopontin; OTHER INFORMATION: forward primer US-09-952-5228-17
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                                                                                                                                                                Query Match 63.2%; Score 12; DB 9; Length 23; Best Local Similarity 100.0%; Pred. No. 3.8e+02; Matches 12; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TLE OF INVENTION: ADIPOSE-DERIVED STEM CELLS AND LATTICES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          DB 9; Length 23, 3.8e+02;
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Sequence 6862, Application US/10215112
Beduence 6862, Application US/10215112
Beblication No. US20030082596A1
GENERAL INFORMATION:
APPLICANT: Michael Mittmann
TITLE OF INVENTION: Method of Genetic Analysis of Probes:
FILE REFERENCE: 3119
CURRENT APPLICATION NUMBER: US/10/215,112
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        FILE REFERENCE: 30448.77USI1
CURRENT APPLICATION NUMBER: US/09/952,522B
CURRENT FILING DATE: 2001-09-10
PRIOR APPLICATION NUMBER: PCT/USO/06232
PRIOR FILING DATE: 2000-03-10
PRIOR FILING DATE: 1999-03-10
PRIOR FILING DATE: 1999-03-10
PRIOR FILING DATE: 1999-10-29
NUMBER OF SEQ ID NOS: 58
SOFTWARE: PATENTIN NUMBER: 60/162,462
NUMBER OF SEQ ID NOS: 58
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match 63.2%; Score 12; DB Best Local Similarity 100.0%; Pred. No. 3.6 Matches 12; Conservative 0; Mismatches
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SOFTWARE: FastSEQ for Windows Version 4.0
                                                                                                                                                                                                                                                                                                                                                                                                                         Application US/09952522B No. US20030082152A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Katz, Adam J.
APPLICANT: Liuli, Ramon
APPLICANT: Putrell, J. William
APPLICANT: Hedrick, Marc H.
APPLICANT: Benhaim, Prosper
APPLICANT: Lorenz, Hermann Peter
APPLICANT: Zhu, Min
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ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 GCTCTAGAATGA 12
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LENGTH: 23
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Kink, John A.
TITLE OF INVENTION: IDENTIFICATION OF NEUTRALIZING EPITOPES
DISFICILE
DISFASE
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TITLE OF INVENTION: Human Microarray
FILE REFERENCE: 3118.1
CURRENT APPLICATION NUMBER: US/10/098,263B
CURRENT FILING DATE: 2003-01-08
PRIOR APPLICATION NUMBER: 60/276,759
PRIOR FILING DATE: 2001-03-16
NUMBER OF SEQ ID NOS: 131066
SOFTWARE Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 64498
LENGTH: 25
                                                                                                                         Score 12; DB 9; Length 25;
Pred. No. 3.8e+02;
0; Mismatches 0; Indels
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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFFWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       STREET: 220 Montgomery Street, Suite 2200 CITY: San Francisco
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICATION NUMBER: US/10/011,366
FILING DATE: 16-No. US20030054493A1-2001
CLASSIFICATION: <Unknown>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 12; DB 9; Le
Pred. No. 3.8e+02;
0; Mismatches 0;
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic Oligonucleotide
US-10-215-112-6862
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/957,310
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             STATE: California
COUNTRY: United States of America
                                                                                                                                                                                                                                                                                                                                                       Sequence 64498, Application US/10098263B Publication No. US20030104410A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CORRESPONDENCE ADDRESS:
ADDRESSEE: Medlen & Carroll
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RESULT 11
18-10-011-366-16
Sequence 16, Application US/10011366
Publication No. US20030054493A1
                                                                                                            63.2%; Scc.
100.0%; Pre
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100.0%; Pre
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APPLICANT: Williams, James A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NUMBER OF SEQUENCES: 22
                                                                                                                         Query Match
Best Local Similarity 100.
Matches 12; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        12; Conservative
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                                                                                                                                                                                                                                          15 GCTCTAGAATGA 4
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US-10-098-263B-64498
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity
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Gaps
                                 Prohormone Convertase Transformed Cells and Polypeptide Synthesis
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TITLE OF INVENTION: BIODRODUCTION OF PARA-HYDROXYCINNAMIC ACID
FILE REPERENCE: BC1009 US CIP
CURRENT APPLICATION NUMBER: US/09/765,873A
CURRENT FILING DATE: 2001-01-19
PRIOR APPLICATION NUMBER: US 09/627,216
PRIOR PILING DATE: 2000-07-27
PRIOR PILING DATE: 1999-08-06
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 21;
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                                                                                                                                                                                                                                               ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPER 3.5 inch, 1.44 Mb floppy disk
COMPUTER: 1BM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPatin (Genentech)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  57.9%; Score 11; DB 9; L 100.0%; Pred. No. 1.6e+03; tive 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICATION NUMBER: 07/887265
FILING DATE: 22-MAY-1992
APPLICATION NUMBER: 07/803631
FILING DATE: 06-DEC-1992
APPLICATION NUMBER: PCT/US92/10621
FILING DATE: 04-DEC-1992
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                         CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/997,868
FILING DATE: 12-Mar-2002
CLASSIFICATION: <UNKnown>
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TOPOLOGY: Linear SEQUENCE DESCRIPTION: SEQ ID NO: 13: US-09-997-868-13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NAME: Love, Richard B. REGISTRATION NUMBER: 34,659
APPLICANT: Gorman, Cornelia M.,
                                         TITLE OF INVENTION: Prohormone
                                                                                    NUMBER OF SEQUENCES: 57
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ; Sequence 5, Application US/09765873A; Patent No. US20010053847A1; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TELEFAX: 650/952-988:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SEQUENCE CHARACTERISTICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       INFORMATION FOR SEQ ID NO: 13
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SOFTWARE: Microsoft Office 97
SEQ ID NO 5
LENGTH: 22
                                                                                                                                                                                CITY: South San Fr
STATE: California
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                11; Conservative
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Best Local Similarity
Matches 11; Conservat
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APPLICANT: Efferts.
TILE OF INVENTION: SOPDean SSRs and Methods of Genotyping
TILE REFERENCE: 38-10 (52679) A
CURRENT APPLICATION NUMBER: US/09/969,373
CURRENT FILING DATE: 2001-10-02
PRIOR PILING DATE: 2001-01-05
PRIOR FILING DATE: 2001-01-05
PRIOR FILING DATE: 2001-01-05
PRIOR APPLICATION NUMBER: US 09/760,427
PRIOR PILING DATE: 2001-01-05
PRIOR PILING DATE: 2001-01-05
PRIOR FILING DATE: 2001-05-15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 11; DB 10; Length 17;
Pred. No. 1.6e+03;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       63.2%; Score 12; DB 9; Length 26; 100.0%; Pred. No. 3.8e+02; Live 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Indels
                                    FILING DATE: 24-OCT-1994
APPLICATION NUMBER: US 08/161,907
FILING DATE: 02-DEC-1993
APPLICATION NUMBER: US 07/985,321
FILING DATE: 04-DEC-1992
APPLICATION NUMBER: US 07/429,791
FILING DATE: 31-OCT-1989
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                    NAME: Ingolia, Diane E.
REGISTRATION NUMBER: 40,027
REFERENCE/DOCKET NUMBER: 0PHD-01121
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 705-8410
TELEPAX: (415) 397-8338
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                               TOPOLOGY: linear

MOLECULE TYPE: DNA (genomic)

SEQUENCE DESCRIPTION: SEQ ID NO: 16:
US-10-011-366-16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 1959, Application US/09969373
Patent No. US20020133852A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ; Sequence 13, Application US/09997868
; Publication No. US20030031654A1
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                  SEQUENCE CHARACTERISTICS:
LENGTH: 26 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     57.9%;
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Best Local Similarity 100.
Matches 12; Conservative
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Best Local Similarity 100.
Matches 11; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-09-997-868-13/c
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LENGTH: 17
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US-09-765-873A-5

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Score 11; DB 10; Length 22;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TITLE OF INVENTION: ADIPOSE-DERIVED STEM CELLS AND LATTICES FILE REFERENCE: 30448.77USI1
CURRENT PAPLICATION NUMBER: 2001-09-10
PRIOR APPLICATION NUMBER: PCT/US00/06232
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match 57.9%; Score 11; DB 9; Length 23; Best Local Similarity 100.0%; Pred. No. 1.6e+03; Matches 11; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PRIOR APPLICATION NUMBER: PCT/100/0623
PRIOR FILING DATE: 2000-03-10
PRIOR PELING DATE: 2000-03-10
PRIOR PELING DATE: 1999-03-10
PRIOR PLING DATE: 1999-03-10
PRIOR FILING DATE: 1999-10-29
NUMBER OF SEQ ID NOS: 58
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 9
LENGTH: 23
TYPE: DNA
CREANISM: Artificial Sequence
FRATURE:
                                                                                                                                                                                                                                                                       Sequence 9, Application US/09952522B Publication No. US20030082152A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                             APPLICANT: Katz, Adam J.
APPLICANT: Llull, Ramon
APPLICANT: Futrell, J. William
APPLICANT: Hedrick, Marc H.
APPLICANT: Benhaim, Prosper
APPLICANT: Lorenz, Hermann Peter
APPLICANT: Zhu, Min
Query Match
Best Local Similarity 100
Matches 11; Conservative
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Search completed: June 23, 2003, 20:01:32 Job time : 152.681 secs

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; Sequence 9, Application US/08770565
; Patent No. 5846723
; GENERAL INPORMATION:
; APPLICANT: Kim, Nam Woo
; APPLICANT: Wu, Fred
APPLICANT: Pruzan, Roaley, James T.
APPLICANT: Pruzan, Roaley, Scott L.
; TITLE OF INVENTION: Methods for Detecting the RNA Component of
; TITLE OF INVENTION: Telomerase
; NUMBER OF SEQUENCES: 26
; CORRESPONDENCE ADDRESS:
ADDRESSEE: TOWNSEND and TOWNSEND and TOWNSENT OF THE PROPERTY 
                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 3
Sequence 1
Sequence 1
Sequence 2
                                       Sequence Seq
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC COMPATIBLE
COMPUTER: PLAN PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PATENTIN Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/770,565
FILING DATE: 20-DEC-1996
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: SECRELLA, JOHN R.
REGISTRATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 32,944
RECISTRATION NUMBER: 32,944
RECISTRATION NUMBER: 32,944
RECISCOMMUNICATION INFORMATION:
TELEPHONE: 415-576-0200
TELEFRAX: 415-576-0200
INFORMATION FOR SEQ ID NO: 9:
SEQUENCE CHARACTERISTICS:
FUNDAME: 10 has pairs
US-08-630-172-22
US-09-375-419-22
US-08-776-55-11
US-08-02-143B-13
PCT-US92-10621-13
PCT-US92-10621-13
US-09-67-1216-5
US-08-973-068-46
US-08-973-068-46
US-08-95-27-7
US-09-95-27-7
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US-08-91-492-17
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Matches 19; Conservative
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EDNESS: single
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Sequence 19,
Sequence 24,
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(cgn2_6/ptodata/2/ina/5A_COMB.seq:*
(cgn2_6/ptodata/2/ina/5B_COMB.seq:*
(cgn2_6/ptodata/2/ina/6A_COMB.seq:*
(cgn2_6/ptodata/2/ina/6B_COMB.seq:*
(cgn2_6/ptodata/2/ina/PCTUS_COMB.seq:*
(cgn2_6/ptodata/2/ina/PCTUS_COMB.seq:*
                                 GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | S-08-520-550A-19
| S-08-998-443-23
| S-08-974-549A-598
| S-09-060-523-23
| S-09-220-157A-26
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Gapop_60.0 , Gapext 60.0
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Perfect score:
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No.
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100.0%; Score 19; DB 1; Length 26; 100.0%; Pred. No. 0.0096; ive 0; Mismatches 0; Indels
                                                                                      COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/482,115B
FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADDRESSEE: Townsend and Townsend and Crew LLP STREET: Two Embarcadero Center, Eighth Floor CITY: San Francisco COTY: San Francisco COUNTRY: USA ZIP: 94111-3834 COMPUTER READABLE FORM: WEDIUM TYPE: Floppy disk COMPUTER: IBM PC compatible COMPUTER: IBM PC COMPUTER: IBM PC COMPUTER: OF COMPUTER: IBM PC COMPATING SYSTEM: PC-DOS/MS-DOS
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APPLICATION NUMBER: US/08/660,678A FILING DATE: 05-JUN-1996
Two Embarcadero Center, Eighth Floor
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Parent No. 5837857
GENERAL INFORMATION:
APPLICANT: Vileponteau, Bryant
APPLICANT: Funk, Walter
APPLICANT: Funk, Walter
TITLE OF INVENTION: Mammalian Telomerase
TITLE OF INVENTION: Mammalian Telomerase
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Crew
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        015389-000830US
                                                                                                                                                                                                                                                                                            FILING DATE: 07-UN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATE:
APPLICATION NUMBER: US 08/272,102
FILING DATE: 07-UL-1994
PRIOR APPLICATION NUMBER: US 08/330,123
APPLICATION NUMBER: US 08/330,123
APTORNEY/AGENT INFORMATION:
NAME: SLOVENIA, 000 R.
REGISTRATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 015389-0008
TELLING DATE: 27-07-1994
ATTORNEY/AGENT INFORMATION:
NAME: SLOVENIA, 000 R.
REGISTRATION NUMBER: 015389-0008
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TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 23:
SEQUENCE CHARACTERISTICS:
LENGTH: 26 base pairs
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Best Local Similarity 100.
Matches 19; Conservative
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STRANDEDNESS: single
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CLASSIFICATION: 435
PRIOR APPLICATION DATA:
                       San Francisco
California
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US-08-482-115B-23
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Patent No. 5776679
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Villeponteau, Bryant
APPLICANT: Funk, Walter
APPLICANT: Funk, Walter
APPLICANT: Andrews, William H.
ITILE OF INVENTION: Assays for the RNA Component of Human
TITLE OF INVENTION: Telomerase
NUMBER OF SEQUENCES: 40
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             100.0%; Score 19; DB 1; Length 26; 100.0%; Pred. No. 0.0096;
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CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/330,123A
FILING DATE: 27-02/1994
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/272,102
FILING DATE: 07-JUL-1994
ATTORNEY/AGENT INFORMATION:
NAME: Smith, William M
REGISTRATION NUMBER: 30,223
REPERRENCE/POCKET NUMBER: 15389-000810
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                           Townsend and Townsend Khourie and Crew
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APPLICANT: FENG, Junii
APPLICANT: FUNK, Waller
APPLICANT: ANDREWS, William H.
TITLE OF INVENTION: HUMAN TELOMERASE
CORRESPONDENCE ADDRESS: 25
CORRESPONDENCE ADDRESS: ADDRESSEE: TOWNSENG and Townsend Khou
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                Sequence 23, Application US/08330123A Patent No. 5583016 GENERAL INFORMATION:
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                            1 GCTCTAGAATGAACGGTGG 19
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INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
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Best Local Similarity 100.
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STRANDEDNESS: single
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                                                                                                                                                                    Length 26;
                                                                                                                                                                                                               Indels
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STREET: Two Militia Drive
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/485,778
FILING DATE: 07-JE-1995
PRIOR PRIOR PRIOR TOWN #35
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: Villeponteau, Bryant
TITLE OF INVENTION: RNA COMPONENT OF TELOMERASE
NUMBER OF SEQUENCES: 45
CORRESPONDENCE ADDRESS:
                                                                                                                                                                  100.0%; Score 19; DB 2;
100.0%; Pred. No. 0.0096;
tive 0; Mismatches 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Greider, Carol
Marhuenda, Maria Antonia Blasco
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APPLICATION NUMBER: US 08/387,524
FILING DATE: 13-FEB-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/330,123
FILING DATE: 27-OCT-1994
PRIOR APPLICATION NUMBER: US 08/32,102
APPLICATION NUMBER: US 08/272,102
FILING DATE: 07-UUL-1994
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 19, Application US/08485778
Patent No. 5876979
GENERAL INFORMATION:
APPLICANT: Andrews, William H.
APPLICANT: Feng, Junil
APPLICANT: Feng, Junil
APPLICANT: Fenk, Walter
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Avilion, Ariel Athena
Feng, Junli
Funk, Walter
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REGISTRATION NUMBER: 32,227
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 REFERENCE/DOCKET NUMBER: CS
TELECOMMUNICATION INFORMATION
TELEPHONE: 617-861-6240
                                                                                                                                                                                                               Conservative
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DEDNESS: single
DGY: linear
                                 TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COUNTRY: US
ZIP: 02173
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
                                                                         TOPOLOGY: linear; MOLECULE TYPE: DNA US-08-710-249-26
                                                                                                                                                                  Query Match
Best Local Similarity
Matches 19; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CITY: Lexington STATE: MA
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APPLICANT:
APPLICANT:
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US-08-485-778-19
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US-08-485-778-19
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APPLICANT: Feng, Junil
APPLICANT: Adams, William H.
APPLICANT: Adams, Robert R.
TITLE OF INVENTION: Methods and Reagents for Regulating
TITLE OF INVENTION: Telomere Length and Telomerase Activity
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
100.0%; Score 19; DB 2; Length 26;
Best Local Similarity 100.0%; Pred. No. 0.0096;
Matches 19; Conservative 0; Mismatches 0; Indels
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CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/710,249
FILING DATE: 13-SEP-1996
CLASSIFICATION: 536
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PRIOR APPLICATION: 546
PRIOR APPLICATION INDOBATE:
APPLICATION NUMBER: US 08/583,808
FILING DATE: 05-JAN-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/003,492
FILING DATE: 08-5EP-195
ATTORNEY/AGENT INFORMATION:
NAME: Scorella, John R.
REGISTRATION NUMBER: 32,944
REGISTRATION NUMBER: 32,944
REGISTRATION INFORMATION:
TELEPHONE: (415) 576-0200
                                                                                        FILING DATE: 07-UL-1994
ATTORNEY/AGENT INFORMATION:
NAME: SECOFILA, 050 N. R.
RECISTRATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 015389-000811US
TELEPHONE: (415) 576-0200
TELEPHAN: (415) 576-0300
INFORMATION FOR SEQ ID NO: 23:
SEQUENCE CHARACTERISTICS:
LENGTH: 26 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
APPLICATION NUMBER: US 08/330,123
FILING DATE: 27-OCT-1994
                                                                       US 08/272,102
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
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Patent No. 5858777
GENERAL INFORMATION:
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TELEPAX: (415) 576-0300
INFORMATION FOR SEQ ID NO. 26:
SEQUENCE CHARACTERISTICS:
                                                  PRIOR APPLICATION DATA:
APPLICATION NUMBER: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                TOPOLOGY: linear MOLECULE TYPE: DNA US-08-660-678A-23
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100.0%; Score 19; DB 3; Length 26; ilarity 100.0%; Pred. No. 0.0096; Conservative 0; Mismatches 0; Indels
                             APPLICANT: Villeponteau, Bryant
TITLE OF INVENTION: RNA Component of Telomerase
NUMBER OF SEQUENCES: 47
CORRESPONDENCE ADDRESS:
ADDRESSEB: Hamilton, Brook, Smith & Reynolds, P.C.
STREET: Two Militia Drive
                                                                                                                                                                                                                                                                                                                                                                                                                                                              CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/520,550A
FILING DATE: 29-40G-1995
CLASSIFICATION 435
PRIOR APPLICATION DATA:
APPLICATION WIMBER: US 08/387,524
FILING DATE: 13-FEB-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/387,524
FILING DATE: 13-FEB-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/30,123
FILING DATE: 27-OCT-1994
PRIOR APPLICATION NUMBER: US 08/272,102
FILING DATE: 07-JUL-1994
ATTORNEY/AGBNT INFORMATION:
NAME: Granahan, Patricia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        US-08-98-443-23
Sequence 23. Application US/08998443
Sequence 23. Application US/08998443
Fatent No. 605427
Fatent Villeponteau, Bryant
APPLICANT: Villeponteau, Bryant
APPLICANT: Punk, Walter
APPLICANT: Andrews, William H.
TITLE OF INVENTION: Mammalian Telomerase
NUMBER OF SEQUENCES: 30
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: Callifornia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NAME: Granahan, Patricia
REGISTRATION NUMBER: 32,227
REFERENCE/DOCKET NUMBER: CSHL94-05A3B
                                                                                                                                                                                                                                                                                                                                                                                                          COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
Marhuenda, Maria A. B.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1 GCTCTAGAATGAACGGTGG 19
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TELEPHONE: 617-861-6240
                                                                                                                                                                                 STREET: Two Militia Dr
CITY: Lexington
STATE: MA
COUNTRY: US
ZIP: 02173
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy di
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                linear
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Best Local Similarity
Matches 19; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ; TOPOLOGY:
US-08-520-550A-19
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   APPLICANT:
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Best Local Similarity 100.0%; Pred. No. 0.0096;
Matches 19; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                        Sequence 24, Application US/08472802C

Sequence 24, Application US/08472802C

Sequence 18, Application US/08472802C

GENERAL INFORMATION:
APPLICANT: Villeponteau, Bryant
APPLICANT: Feng, Junil
APPLICANT: Andrews, William H.
TITLE OF INVENTION: Mammalian Telomerase
NUMBER OF SEQUENCES: 44
CORRESPONDENCE ADDRESS:
ADDRESSE: Two Embarcadero Center, Bighth Floor
CITY: San Francisco
STREET: Two Embarcadero Center, Bighth Floor
CITY: San Francisco
STREET: USA
COUNTRY: USA
COUNTRY: USA
APPLICATION NUMBER: US/08/472,802C

CONFRAING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/472,802C
FILING DATE: 07-JUN-1995
STILING DATE: 07-JUN-1995
FILING DATE: 07-JUN-1994
ATPONEY APPLICATION NUMBER: US 08/330,123
FILING DATE: 27-OCT-1994
ATPONEY APPLICATION NUMBER: US 08/330,123
FILING DATE: 27-OCT-1994
ATPONEY AGENT INFORMATION:
APPLICATION NUMBER: US 08/330,123
FILING DATE: 27-OCT-1994
ATPONEY AGENT INFORMATION:
NAME: Santch, William M.
REGISTRATION NUMBER: 30,223
REFERENCE/DOCKET NUMBER: 30,223
REFERENCE/DOCKET NUMBER: 30,223
REFERENCE/DOCKET NUMBER: US 0300
INFORMATION FOR SEQ ID NO: 24:
SEQUENCE CHARACTERISTICS:
LENGTH: 26 base pairs
TTYPE: TWO TELLEPANCE TO SEQ ID NO: 24:
TUPED: TUPE TO SEQ ID NO: 24:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Andrews, William H. Avilion, Ariel A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Feng, Junli
Funk, Walter
Greider, Carol
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ; TOPOLOGY: linear; MOLECULE TYPE: DNA US-08-472-802C-24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US-08-520-550A-19
                                                                                                                                                                                                                  US-08-472-802C-24
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100.0%; Score 19; DB 4; Length 26; 100.0%; Pred. No. 0.0096;
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Patent No. 6228535
GENERAL INFORMATION:
APPLICANT: Villeponteau, Bryant
APPLICANT: Feng, Juni;
APPLICANT: Feng, Junii
APPLICANT: Andrews, William H.
ITLE OF INVENTION: Mammalian Telomerase
NUMBER OF SEQUENCES:
CORRESPONDENCE ADDRESS:
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
                                                                                            PFILING DATE: 18-787-1997
PFILING DATE: 18-787-1997
APPLICATION NUMBER: US 08/846,017
FILING DATE: 2-478-1997
PRIOR APPLICATION NUMBER: US 08/851,843
FILING DATE: 0-478-1997
PRIOR APPLICATION DATA: PRIOR APPLICATION NUMBER: US 08/854,050
FILING DATE: 0-478-1997
APPLICATION NUMBER: US 08/911,312
FILING DATE: 14-400-1997
PRIOR APPLICATION DATA: APPLICATION NUMBER: US 08/912,951
FILING DATE: 14-400-1997
PRIOR APPLICATION DATA: APPLICATION NUMBER: US 08/915,503
FILING DATE: 14-400-1997
PRIOR APPLICATION NUMBER: WO PCT/US97/17618
FILING DATE: 01-0CT-1997
PRIOR APPLICATION NUMBER: WO PCT/US97/17618
FILING DATE: 01-0CT-1997
APPLICATION NUMBER: WO PCT/US97/17618
FILING DATE: 01-0CT-1997
APPLICATION NUMBER: WO PCT/US97/17618
FILING DATE: 101-0CT-1997
APPLICATION NUMBER: WO PCT/US97/17618
FILING DATE: 101-0CT-1997
APPLICATION NUMBER: WO PCT/US97/17618
FILING DATE: 101-0CT-1997
APPLICATION NUMBER: WO PCT/US97/17618
FILING DATE: INFORMATION:
ANAME: APPLICATION NUMBER: WO PCT/US97/17618
FILING DATE: INFORMATION:
ANAME: ANAME: ANAME: ANAME: ANAME: ANAME: ANAME: ANAME: ANAME: ANAME: ANAME: ANAME: ANAME: ANAME: ANAME: ANAME: ANAME: ANAME: ANAME: ANAME: ANAME: ANAME: ANAME: ANAME: ANAME: ANAME: ANAME: ANAME: ANAME: ANAME: ANAME: ANAME: ANAME: ANAME: ANAME: ANAME: ANAME: ANAME: ANAME: ANAME: ANAME: ANAME: ANAME: ANAME: ANAME: ANAME: ANAME: ANAME: ANAME: ANAME: ANAME: ANAME: ANAME: ANAME: ANAME: ANAME: ANAME: ANAME: ANAME: ANAME: ANAME: ANAME: ANAME: ANAME: ANAME: ANAME: ANAME: ANAME: ANAME: ANAME: ANAME: ANAME: ANAME: ANAME: ANAME: ANAME: ANAME: ANAME: ANAME: ANAME: ANAME: ANAME: ANAME: ANAME: ANAME: ANAME: ANAME: ANAME: ANAME: ANAME: ANAME: ANAME: ANAME: ANAME: ANAME: ANAME: ANAME: ANAME: ANAME: ANAME: ANAME: ANAME: ANAME: ANAME: ANAME: ANAME: ANAME: ANAME: ANAME: ANAME: ANAME: ANAME: ANAME: ANAME: ANAME: ANAME: ANAME: ANAME: ANAME: ANAME: ANAME: ANAME: ANAME: ANAME: ANAME: ANAME: ANAME: ANAME: ANAME: ANAME: ANAME: ANAME: ANAME: ANAME: ANAME: ANAME: ANAME: ANAME: ANAME: ANAME: ANAME: ANAME: ANAME: ANAME: ANAME: ANAME: ANAME: AN
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REGISTRATION NUMBER: 36,429
REFERENCE/DOCKET NUMBER: 015
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (415) 576-0200
                                                                       18-APR-1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TELEFAX: (415) 576-0300 INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity 100...
Best Local 19; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    LENGTH: 26 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           COCATION: 1..26 CTHER INFORMATION: US-08-974-549A-598
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TOPOLOGY: linear MOLECULE TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NAME/KEY: -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TELEPHONE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CITY: Sar
STATE: Ca
COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US-09-060-523-23
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: Chapman, Karen B.
APPLICANT: Morin, Gregg B.
APPLICANT: Harley, Calvin B.
APPLICANT: Andrews, William H.
TITLE OF INVENTION: Human Telomerase Catalytic Subunit
NUMBER OF SEQUENCES: 727
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/998,443
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SOFTWARE: Fatentin Release #1.0, Version #1.30 CUBRENT APPLICATION DATA:
FILLOATION NUMBER: US/08/974,549A
FILING DATE: 19-NOV-1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
                                                                                                                                                                                        FILING DATE:
PRIOR APPLICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/660,678
FILING DATE: 05-UN-1996
PRIOR APPLICATION NUMBER: US 08/330,123
FILING DATE: 27-C0T-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/272,102
FILING DATE: 07-ULI-1994
ATTORNEY/AGENT INFORMATION:
NAME: SECREIA, JOHN R.
REGISTRATION NUMBER: 32,944
RECISTRATION NUMBER: 32,944
RECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0300
INFORMATION FOR SEQ ID NO: 23:
SEQUENCE CHARACTERISTICS:
LENGTH: 26 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/724,643
FILING DATE: 01-OCT-1996
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 599, Application US/08974549A
Patent No. 6166178
GENERAL INFORMATION:
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ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
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Lingner, Joachim
Nakamura, Toru
Chapman, Karen B.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      LENGTH: 26 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           MOLECULE TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US-08-974-549A-598
                                                                                                                                                                          FILING DATE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-08-998-443-23
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APPLICANT:
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; Sequence 4, Application US/09286959B
; Patent No. 6300131
; GENERAL INFORMATION:
APPLICANT: Johns Hopkins University
APPLICANT: Johns Hopkins University
APPLICANT: Le. Siyuan
: TITLE OF INVENTION: TELOMERASE-ASSOCIATED PROTEINS
: TITLE OF INVENTION: TELOMERASE-ASSOCIATED PROTEINS
: TITLE OF INVENTION: 1909-04-06
: CURRENT APPLICATION NUMBER: US/09/286,959B
: CURRENT FILING DATE: 1999-04-06
: PRIOR PELICATION NUMBER: 60/080,783
: PRIOR FILING DATE: 1998-04-06
: SOFTWARE: PASESQ for Windows Version 4.0
: SEQ ID NO 4
: LENGTH: 26
APPLICATION NUMBER: CC, C-FILING DATE: 13-SEP-1996
APPLICATION NUMBER: US 08/583,808
FILING DATE: 05-JAN-1996
PRIOR APPLICATION DATA:
APPLICATION DATA: US 60/003,492
PILING DATE: 08-SEP-1995
ATTORNEY/AGENT INFORMATION:
NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 015389-001
TELEPANINICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEPAX: (415) 576-0200
TELEPAX: (415) 576-0200
TELEPAX: CHARATERISTICS:
LENGTH: 26 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 23, Application US/09580517
Patent No. 6320039
GENERAL INFORMATION:
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Best Local Similarity 100.0%; P

Matches 19; Conservative 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 GCTCTAGAATGAACGGTGG 19
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    FENG, Junli
FUNK, Walter
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Best Local Similarity 100.0
Matches 19, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ; OTHER INFORMATION: Primer US-09-286-959B-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ; MOLECULE TYPE: DNA
US-09-220-157A-26
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RESULT 14
US-09-580-517-23
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Patent No. 6300110

GENERAL INFORMATION:
APPLICANT: Villeponteau, Bryant
APPLICANT: Villeponteau, Bryant
APPLICANT: Reng, Juni;
APPLICANT: Reng, Juni;
APPLICANT: Reng, Juni;
APPLICANT: Reng, Milliam H.
APPLICANT: Reng, Milliam H.
APPLICANT: Reng, Milliam H.
APPLICANT: Reng, Milliam H.
APPLICANT: Reng, Juni;
APPLICANT: Reng, Milliam H.
APPLICANT: Reng, M
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 100.0%; Score 19; DB 4; Length 26; 100.0%; Pred. No. 0.0096;
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COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CUBRENT APPLICATION DATA:
PILING DATE:
CLASSIPLATION:
PRIOR APPLICATION:
                                                                                                                                                           CURRENT APPLICATION DATA:

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/060,523
FILING DATE: 14-APR-1998
CLASSITCATION: 536
PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/660,678
FILING DATE: 05-JUN-1996
PRIOR APPLICATION DATA:

APPLICATION DATA:

APPLICATION NUMBER: US 08/30,123
FILING DATE: 07-OCT-1994
PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/22,102
FILING DATE: 07-JUL-1994
ATTORNEY AGENT INFORMATION:

NAME: Storella, John R:

REFERENCE/DOCKET NUMBER: 015389-000813US
TELECHOMMUNICATION INFORMATION:

TELECHOMMUNICATION INFORMATION:

TELECHOMM: (415) 576-0200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0; Mismatches
                                   COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity 100.
Matches 19, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   26 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              MOLECULE TYPE: DNA
              94111-3834
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Search completed: June 23, 2003, 10:17:07 Job time: 30.749 secs
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                CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                           TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                          MOLECULE TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                         linear
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Patent No. 5846723
GENERAL INFORMATION:
APPLICANT: Win, Nam Woo
APPLICANT: Weiley, James T.
APPLICANT: Weiley, James T.
APPLICANT: Weinrich, Scott L.
TITLE OF INVENTION: Methods for Detecting the RNA Component of TITLE OF INVENTION: Telomerase
NUMBER OF SEQUENCES: 26
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                                                                                                                                                                                                         COUNTER READABLE FORM:

MEDIUM TYPE: Floppy disk

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/NS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.25

CURENT APPLICATION DATA:

APPLICATION NUMBER: US/09/580,517

FLING DATE: 25-May-2000

CLASSIFICATION: AUMBER: 08/330;123

PILING DATE: CURKNOWN>

PILING DATE: CURKNOWN>

PILING DATE: CURKNOWN>

ATTORNEY/AGENT INFORMATION:

NAME: Smith, William M

REGISTRATION UNDER: 30,223
ANDREWS, William H.

TITLE OF INVENTION: HUMAN TELOMERASE
NUMBER OF SEQUENCES: 25
CORRESPONDENCE ADDRESS:
ADDRESSSE: Townsend and Townsend Khourie and Crew
STREET: 379 Lytton Avenue
CITY: Palo Alto
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity 100.0%; Pred. No. 0.0096;
Matches 19; Conservative 0; Mismatches 0; Indels
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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: 1BM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOPTWARE: PatentIn Release #1.0, Version #1.30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CORRESPONDENCE ADDRESS:
ADDRESSEE: TOWNSEND and CREW LLP
STREET: Two Embarcadero Center, 8th Floor
CITY: San Francisco
STATE: California
CONTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              REFERENCE/DOCKET NUMBER: 15389-000810 TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TOPOLOGY: linear

MOLECULE TYPE: DNA

SEQUENCE DESCRIPTION: SEQ ID NO: 23:
US-09-580-517-23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TELEPHONE: (415) 326-2400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (415) 326-2422
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         MATION FOR SEQ ID NO: 23;
SEQUENCE CHARACTERISTICS;
                                                                                                                                                                                                COUNTRY: US
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       INFORMATION FOR
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Gaps
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ATTION NUMBER: US/08/770,565
FILING DATE: 20-DEC-1996
CLASSIPICATION: 435
ATTORNEY AGENT INFORMATION:
NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
REGISTRATION NUMBER: 32,944
REPERENCE/DOCKET NUMBER: 015389-002300US
TELEPHONE: 415-576-0200
TELEPHONE: 415-576-0300
INFORMATION FOR SEQ ID NO: 26: SEQUENCE CHARACTERISTICS:
LENGTH: 27 base pairs
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Human telomerase a Human telomerase (RNA component of h Human telomerase R Antisense oligonuc RNA component of h Human clone 28-1 t

Human telomerase

Human telomerase p Sense primer for h Human telomerase p CRT C-domain-green Human GPCR TDAGS(!

Human telomerase p Oligonucleotide us RNA component of h Antisense oligonuc

Murine Cdc25A intr C. difficile toxin Clostridium diffic Novel recombinant

Word size :

Searched:

Sequence:

Database :

HCMV IE-exon-4 sub Sense primer for h Novel human G prot DNA associated wit RNA component of h Human telomerase p Human telomerase p ISA3 reverse prime

Sequence encoding Sequence encoding Rx 2.4 prorelaxin Phenylalanine ammo Rhodosporidium tor

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Result No.

OM nucleic

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Run

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RNA component; human telomerase; antisense oligonucleotide; infection; neuroblastcoma; bladder cancer; colon cancer; prostate cancer; cancer; contraception; sterilisation; immunosuppression; therapeutic; hTR; immune system down-regulation; anti-inflammatory therapy; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RNA component of human telomerase (hTR) antisense oligo 21ab
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                                                                                                                                                                                                                                                                                                                                                                                                                             ALIGNMENTS
                                                                                                                                                                                                                                                                                AAF81502
AAF87602
AAV41178
                                                                                                                                                                   AAT97049
AAS15930
                                                                                                                                                                                                              AAF57369
AAT29258
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AAQ43258
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AAD33073
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                                                                            AAV63649
                                                                                                AAZ23631
                                                                                                                                  ABA91517
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                                                                                                                                                                                                     AAA46113
                                                                                                                                                                                                                                     AAV30567
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                                ABK48024
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     BP.
 97WO-US23619
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96US-0770564.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAV41176 standard; DNA; 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Kealey JT, Kim NW,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WPI; 1998-377670/32
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (GERO-) GERON CORP
08-OCT-1998
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Synthetic.
Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                19-DEC-1997;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    20-DEC-1996;
20-DEC-1996;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WO9828442-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       02-JUL-1998.
 AAV41176;
                                                                                                                                                                                                                                                                                                                                                                                                                                                               RESULT 1
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 Human telomerase R
RNA component of h
RNA component of h
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Human hTR gene RT-
Telomerase PCR pri
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RNA component of
                                                                       June 22, 2003, 18:09:32 ; Search time 126.263 Seconds (without alignments) 338.880 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                    N Geneeeq 101002:*

| SIDS2/gcgdata/geneseq/geneseqn-embl/NA1980.DAT:*
| SIDS2/gcgdata/geneseq/geneseqn-embl/NA1981.DAT:*
| SIDS2/gcgdata/geneseq/geneseqn-embl/NA1981.DAT:*
| SIDS2/gcgdata/geneseq/geneseqn-embl/NA1981.DAT:*
| SIDS2/gcgdata/geneseq/geneseqn-embl/NA1981.DAT:*
| SIDS2/gcgdata/geneseq/geneseqn-embl/NA1985.DAT:*
| SIDS2/gcgdata/geneseq/geneseqn-embl/NA1986.DAT:*
| SIDS2/gcgdata/geneseq/geneseqn-embl/NA1989.DAT:*
| SIDS2/gcgdata/geneseq/geneseqn-embl/NA1980.DAT:*
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| SIDS2/gcgdata/geneseq/geneseqn-embl/NA1991.DAT:*
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Description
                                                                                                                                                                                                                                               2166140
          GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.
                                                                                                                                                                                                                                           Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                 2185239 segs, 1125999159 residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SUMMARIES
                                                   - nucleic search, using sw model
                                                                                                                                                                                                                                                                                                      summaries
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAV41176
AAZ08704
AAT10304
AAT10299
AAT11044
AAT58811
AAV19489
AAV17033
                                                                                                                                                               OLIGO_NUC.
Gapop_60.0 , Gapext 60.0
                                                                                                                                          GCTCTAGAATGAACGGTGG 19
                                                                                                                                                                                                                                                                                                     Post-processing: Listing first 45
                                                                                                                  US-08-770-564A-9
19
1 GCTCTAGAATGAACG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   DB
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Match
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                                                                                                                                                                Scoring table:
                                                                                                                              Perfect score:
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Detecting telomerase activity in non-cellular body fluid using a modified telomeric repeat amplification protocol
                                                                                                                                                                                                                                                                                               (UYMA-) UNIV MARYLAND BALTIMORE.
                                                                                                                                                                                                                                                                                                         Highsmith E,
                                                                                                                                      Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                 WPI; 1999-508655/42.
                                                                                                                         parasites or fungi.
                                                                                                                                                                                                                                                  Homo sapiens
                                                                                                                                                                                                                                                                              16-FEB-1999;
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                                                                                                                                                                                                                                              Synthetic
                                                                                                                                                                                                     AAZ08704;
                                                                                                                                                                                    RESULT 2
                                                                                                                                                                                        AAZ08704
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Strovel JW

Stamberg J,

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Disclosure, Page 16, 32pp; English.
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                                                                                                                                                                                        Sequences shown in AAV41169 to AAV41181 represent antisense
oligonucleotides to the RNA component of human telomerase (hTR). These
antisense oligonucleotides specifically hyporidise to a nucleotide
sequence within an accessible region of the hTR, but that does not
hybridise to a sequence within the template region of hTR. These
component of human telomerase in a sample. This is useful for diagnosing
component of human telomerase in a sample. This is useful for diagnosing
cancer (especially neuroblastoma, bladder, colon and prostate cancer),
and providing prognosis for a cancer patient. The inhibitory
coligonucleotides can inhibit the telomerase activity level in a cell by
interfering with transcription of the RNA component, decreasing the
half-life of the telomerase RNA component transcript, inhibiting the
cof the RNA component into the telomerase holoenzyme, or inhibiting the
colymerase activity of telomerase activity in both cultured calls and in
the used for inhibiting telomerase activity in both cultured calls and in
cells in vivo. They can be used in therapeutics for treating or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 preventing cancer, for contraception or sterilisation, for immunosuppression, and for selectively down-regulating specific branches of the immune system, e.g. a specific subset of T-calls, in anti-inflammatory therapies or for treating infections by, e.g. yeast,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gaps
                          New polynucleotide(s) anti:sense to human telomerase - used for detecting or inhibiting human telomerase, e.g. for treating cancers, contraception, immuno-suppression or treating infection
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Telomerase; body fluid; cancer; tumour; screening; TRAP; diagnosis; telomeric repeat amplification protocol; detection; PCR primer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 19; DB 19; Length 19;
Pred. No. 0.042;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human telomerase RNA template PCR primer R3C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 19 BP; 5 A; 3 C; 7 G; 4 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Mismatches
                                                                                                                                            Claim 11; Page 65; 80pp; English.
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A method has been developed for detecting telomerase activity in a non-cellular portion of body fluid from a cancer patient using a modified telomeric repeat amplification protocol (TRAP). A method for detecting cancer comprises: (a) removing the cellular portion of a body fluid specimen from the patient; (b) preparing a protein extract from the body fluid remainder; (c) assaying the extract for the presence and quantity of telomerase RNA or telomerase activity; and (d) comparing the results with normal levels, to determine the presence of cancer. The methods are used in cancer diagnosis and prognosis, and also to monitor cancer therapy effectiveness. Unlike prior art telomerase activity assays in cancer patients, the method allows noninvasive sample than other methods are also more reliable and less tumour specific than other methods which detect circulating tumour markers. The present sequence represents a human telomerase RNA template PCR primer used in
                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            The present sequence, a nested PCR primer for the RNA component of human telomerase (RCHT), was used in a 5' RACE procedure. The RCHT can be used in the recombinant prodn. of an active telomerase mol., capable of adding sequences to chromosomal DNA telomeres, and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      RNA component; human; telomerase; polymerase chain reaction; recombinant production; synthesis; mutant; detection; mammalian; identification; modulating agent; neoplastic condition; transcriptional regulatory sequence; gene therapy; disease;
                                                                                                                                                                                                                                                                                                                                                                                                                                                      ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       useful in
                                                                                                                                                                                                                                                                                                                                                                                                         Length 25;
                                                                                                                                                                                                                                                                                                                                                                                                                                                        0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              RNA component of human telomerase nested PCR primer R3c.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       RNA component of mammalian telomerase, esp. human - usei
identifying e.g. candidate telomerase-modulating agents
                                                                                                                                                                                                                                                                                                                                                                                                         100.0%; Score 19; DB 20; 100.0%; Pred. No. 0.041;
                                                                                                                                                                                                                                                                                                                      the exemplification of the present invention.
                                                                                                                                                                                                                                                                                                                                                                  Sequence 25 BP; 7 A; 3 C; 9 G; 6 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Villeponteau
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  GCTCTAGAATGAACGGTGG 19
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              BP.
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94US-0272102.
94US-0330123.
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                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
Best Local Similarity 100.'
Matches 19, Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PCR primer; ss
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therapy of human diseases.
                                                                                                                                                                                                                                                                                                                                                       WO9601614-A2
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27-OCT-1994;
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                                                                                                                                                                                                                                                                                                                                                                                       25-JAN-1996.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Andrews WH,
                                                                                                                                                                                                                                                                                                                                     Synthetic.
                                                                                                                                                                                                                     AAT11044;
                                                                                                                                                                   RESULT 5
                                                                                                                                                                                 AAT11044
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                                                                                                                                                                   Gaps
                                                                                                                                                                                                                                                                                                                                                                                   RNA component; human; telomerase; lung fibroblast; cell line WI-38; recombinant production; synthesis; mutant; detection; mammalian; identification; modulating agent; neoplastic condition; transcriptional regulatory sequence; gene therapy; disease; polymerase chain reaction; antisense plasmid; PCR primer; ss.
          mammalian telomerase RNA component polynucleotides. The RCHT may also be used in the identification of telomerase modulating agents, and in the detection of telomerase related, or neoplastic conditions in a patient. Polynucleotides of at least 25 consecutive nucleotides identical, or complementary to the RCHT sequence linked to heterologous transcriptional regulatory
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          The present sequence is a PCR primer for a RNA component of human telomerase (RCHT), antieense plasmid. RCHT was derived from a genomic DNA library obtd. from the human lung fibroblast cell line WH-38. The RCHT can be used in the recombinant prodn. of an active telomerase mol., capable of adding sequences to chromosomal DNA telomeres, and in the synthesis of mutant sequences for the detection of mutant mammalian telomerase RNA component polynucleotides. The RCHT may also be used in the identification of telomerase modulating agents, and in the detection of
                                                                                                                                                                                                                                                                                                                                                             RNA component of human telomerase antisense plasmid PCR primer R3C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            telomerase related, or meoplastic conditions in a patient.
Obymucleotides of at least 25 consecutive nucleotides identical,
or complementary to the RCHT sequence linked to hererologous
transcriptional regulatory sequences; can be used for the gene
 in the synthesis of mutant sequences for the detection of mutant
                                                                                                                                                                   ö
                                                                                   sequences, can be used for the gene therapy of human diseases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RNA component of mammalian telomerase, esp. human - useful in identifying e.g. candidate telomerase-modulating agents
                                                                                                                                         100.0%; Score 19; DB 17; Length 26; 100.0%; Pred. No. 0.041;
                                                                                                                                                                  0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Funk W, Villeponteau B;
                                                                                                              Sequence 26 BP; 7 A; 3 C; 9 G; 7 T; 0 other;
                                                                                                                                                                  0; Mismatches
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                                                                                                                                                                                       AAT10299 standard; DNA; 26 BP.
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94US-0272102.
94US-0330123.
95US-0472802.
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                                                                                                                               Query Match
Best Local Similarity 100.0
                                                                                                                                                                                                                                                                                                                                   09-SEP-1996 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Peng J,
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07-JUL-1994;
27-OCT-1994;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  25-JAN-1996
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Synthetic.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     The RNA components of (non) human mammalian telomerase(s) especially from mouse, rat and chinese hamster are all claimed. Antisense oligonucleotides can be used to block the activity of the telomerase; probes and primers can be used in detection; vectors and host cells transformed with the isolated telomerase genes can be used for production of telomerases; RNA and DNA ribozymes and triplex forming oligonucleotides directed against the telomerase genes can be used therapeutically as can plasmids. A mouse which lacks the telomerase gene (also claimed) can be used for study of telomere regulation in vivo, and the role it plays in immortalisation. Three primers (AATI1040, AATI1044) where then used to produce antisense oligonucleotides which were then used to produce antisense expression plasmids. AATI1040 was used alongside both AATI1043 and
                                                                                                                                   Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              RNA components of (non)human mammalian telomerase(s) - useful in studying cell senescence and immortalisation
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Telomerase, mammal; antisense; triplex forming oligonucleotide; plasmid; probe; primer; ribozyme; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ö
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Primer for production of telomerase antisense oligonucleotide.
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                                                                     Length 26;
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Best Local Similarity 100.0%; Score 19; DB 17; Length 26
Best Local Similarity 100.0%; Pred. No. 0.041;
Matches 19; Conservative 0; Mismatches 0; Indels
                                                                 100.0%; Score 19; DB 17; Length 2
100.0%; Pred. No. 0.041;
ive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Greider C;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAT11044 to produce two different antisense molecules.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 26 BP; 7 A; 3 C; 9 G; 7 T; 0 other;
Sequence 26 BP; 7 A; 3 C; 9 G; 7 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Feng J, Funk W,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Example 8; Page 53; 85pp; English.
                                                                                                                                                                                                    1 GCTCTAGAATGAACGGTGG 19
                                                                                                                                                                                                                                                                   5 GCTCTAGAATGAACGGTGG 23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (COLD-) COLD SPRING HARBOR LAB
                                                                                                                                                                                                                                                                                                                                                                                                                                        Bb
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       94US-0272102.
94US-0330123.
95US-0387524.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            95US-0485778.
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                                                                                                                                                                                                                                                                                                                                                                                                                                     AAT11044 standard; DNA; 26
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 02-JUL-1996 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Avillon AA,
                                                   Ouery Match
Best Local Similarity 100.0
Matches 19; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (GERO-) GERON CORP.
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Human TPC2, TPC3 and TR genes - regulate telomere length or modulate
                                                                                                                      hTR gene; TPC2; TPC3; telomere length; telomerase; human; cancer; gene therapy; diagnosis; PCR; primer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Disclosure; Page 49; 86pp; English.
                                                                                         Human hTR gene RT-PCR primer R3c.
AAV19489 standard; DNA; 26 BP.
                                                          28-AUG-1998 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                         WPI; 1998-207373/18
                                                                                                                                                                                                                                                                                                                                                                                                                                                      telomerase activity
                                                                                                                                                                                                                                                                                                                                           (GERO-) GERON CORP.
                                                                                                                                                                     Synthetic.
Homo sapiens.
                                                                                                                                                                                                                                                                              13-SEP-1996;
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                                                                                                                                                                                                                  WO9811204-A1
                                                                                                                                                                                                                                                 19-MAR-1998.
                                                                                                                                                                                                                                                                                                                                                                          Adams RR,
                             AAV19489;
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a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       The present sequence represents PCR 3'-primer R3C used for amplifying the human telomerase (hTR). The RNA and DNA can be used in hybridisation assays to detect or quantify telomerase activity in cells, tissue or fluid samples, e.g. for diagnosis of eukaryotic parasites (yeast and protozoa) or tumours. It is also useful as primers for amplification assays. The truncated or recombinant vertebrate telomerase is used therapeutically to increase telomerase activity (also as reagents in the screening assay) while the RNA or other inhibitors such as antisense molecules, are used to reduce such activity. Typical applications are initiation/restoration of activity to cause senescence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                or to prevent immortalisation of cells in tumours or parasites. The DNA is also used to produce recombinant telomerase, which can then be used conventionally to raise antibodies for diagnostic detection of telomerase. Detecting telomerase allows early diagnosis of tumour or infection, before clinical signs manifest. Telomerase inhibitors
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           directed against e.g. Trypanosoma should cause fewer side effects than drugs currently used to treat such infections. The DNA encodes those parts of hTR RNA essential for activity but are significantly shorter
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              DNA encoding essential RNA components of human telomerase - also truncated or recombinant telomerase, useful for diagnosis and treatment of cancer and infection by eukaryotic parasites
                                                                                                                                                                                                                                 Cancer, eukaryotic parasite; hTR; vertebrate telomerase; yeast; protozoa; tumour; antibody; polymerase chain reaction; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match 100.0%; Score 19; DB 18; Length 26; Best Local Similarity 100.0%; Pred. No. 0.041; Matches 19; Conservative 0; Mismatches 0; Indels
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                                                                                                                                                                                                     Human telomerase PCR 3'-primer R3C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Example 5; Page 32; 48pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             than the endogenous RNA component
                 GCTCTAGAATGAACGGTGG 19
                                                                                                                                                                                                                                                                                                                                                                                                                                     (COLD-) COLD SPRING HARBOR LAB.
                                                                                                         AAT58811 standard; DNA; 26 BP
                                                                                                                                                                                                                                                                                                                                                                                                         95US-0478352.
                                                                                                                                                                     (first entry)
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                                                                                                                                                                      20-NOV-1997
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                                                                                                                                                                                                                                                                                 Synthetic.
                                                                                                                                        AAT58811;
                                                                            RESULT 6
                                                                                            AAT58811
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Feng J, Villeponteau

Andrews WH,

96WO-US14679.

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Gaps
Primers R3c and F3b (see AAV19488) were designed for the PCR amplification of the human telomerase hTR gene (see AAV19481). hTR mRNA levels were showed to correlate with telomerase activity levels in a variety or mortal and immortal cell lines. Methods of the invention allow detection and quantitation of TPC2 (see AAV19479), TPC3 (see AAV19480) and/or TPC2 gene products and can be used to detect immortal cells, especially telomerase positive
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Human, telomerase reverse transcriptase, hTRT, TRT, diagnosis, prognosis, cell proliferation, cancer, ageing, ribonucleoprotein,
                                                                                                                                                                                                                                                             ;
                                                                                                                                                                                                                  Length 26;
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100.0%; Pred. No. 0.041;
tive 0; Mismatches 0;
                                                                                                                                                                             Sequence 26 BP; 7 A; 3 C; 9 G; 7 T; 0 other;
                                                                                                                                                                                                                                                                                                   1 GCTCTAGAATGAACGGTGG 19
                                                                                                                                                                                                                                                                                                                             S GCTCTAGAATGAACGGTGG 23
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       13-AUG-1998 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Telomerase PCR primer R3c.
                                                                                                                                                                                                                    Query Match 100.
Best Local Similarity 100.
Matches 19; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PCR primer; ss.
                                                                                                                                              cancer cells.
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Gaps

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RESULT 7

GCTCTAGAATGAACGGTGG 19

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(GERO-)

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The present sequence is a PCR primer specific to human telomerase RNA (hTR). It is used to amplify human staufen (hStau) cDNA synthesised using random hexamer primers and Superscript II reverse transcriptase.
                                                                                                                                                                                                                                                                                                                                                                                        Human staufen polypeptide useful in methods for identifying telomerase inhibitors
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Detecting telomerase RNA in urine - useful for diagnosis of bladder
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Telomerase; human; diagnosis; bladder cancer; detection; urine;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 26;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 26 BP; 7 A; 3 C; 9 G; 7 T; 0 other;
                                                                                                                                                                                                                                           (UYJO ) UNIV JOHNS HOPKINS SCHOOL MEDICINE.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Human telomerase RNA PCR primer TE-hTR3.1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Disclosure; Page 15; 50pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 GCTCTAGAATGAACGGTGG 19
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            98EP-0124326.
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                                                                                                                                               99WO-US07533
                                                                                                                                                                                               98US-0080783
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          05-AUG-1999 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Best Local Similarity 100.
Matches 19; Conservative
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                                                                                                                                                                                                                                                                                                                                            WPI; 1999-620168/53.
                                                                                                                                                                                                                                                                                            Greider CW, Le S;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Homo sapiens.
  Homo sapiens.
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                                              W09951255-A1
                                                                                                                                               06-APR-1999;
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                                                                                              14-OCT-1999
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAX77402;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                The present sequence represents a PCR primer from the present invention which describes human telomerase reverse transcriptase (hTRT). The present invention also describes the following methods: (A) determining whether a test compound is a modulator of hTRT, by detecting the change in hTRT recombinant protein or polymucleotide, on administration of the preparation of recombinant telomerase by contacting a protein preparation of ATRT with a telomerase BNA component; (C) detection of the hTRT with a telomerase RNA component; (C) detection of the hTRT with a renomerase RNA component; (C) detection of the hTRT with a remplex formed or in the case of RNA detection, amplifying the product and correlating the presence of complex or amplifying the product with presence of hTRT in the sample; and (D) increasing the proliferation of a vertebrate cell by increasing hTRT expression; and (E) the use of an agent that causes an increase in cell vertebrate cell proliferation to create a medicament that inhibits ageing. A protein preparation of hTRT and the polymucleotide encoding hTRT can be used in the manufacture of medicaments for inhibiting the contact of ageing or cancer. Inhibitors of tellomerase activity can be used in the manufacture of medicaments for inhibiting the contact of adeline and the contact of adeline and the contact of the contact
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Pure and recombinant human Telomerase Reverse Transcriptase and its variants - are useful in the diagnosis, prognosis and treatment of cell proliferation conditions especially cancer and ageing
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 used to treat conditions that are associated with high telomerase activity. A protein preparation of hTRT can also be used in the new
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PCR primer; human telomerase RNA; hTR; amplify; human staufen cDNA; hStau; synthesised; random hexamer primer; Superscript II reverse transcriptase; ss.
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                                                                                                                                                                                                                                                                                                                                                                      Lingner J;
                                                                                                                                                                                                                                                                                                                                                                      Harley C,
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                                                                                                                                                                                                                                                                                                                                                                 Chapman KB,
Harley CB;
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                                                                                      96US-0724643.
97US-0844419.
97US-0846017.
97US-0851843.
97US-0911312.
97US-0911312.
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                       97GB-0020890
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Nakamura T,
                                                                                                                                                                                                                                                                                                                                                                                                                                           WPI; 1998-171633/16.
                                                                                                                                                                                                                                                                                         CORP.
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nes 19; Conserv
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                                                                                                                                               25-APR-1997
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                                                                                                                                                                                                                                                                                                                                                                                             Morin GB,
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Query Match

Best Loca Matches

Š 셤 AAX90788

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The present invention describes a method (I) for detecting telomerase activity in a sample. The method comprises treating the sample with a solid phase to bind telomerase, separating the solid phase from the sample to form a test sample which may be treated to elute bound telomerase and assaying the sample for telomerase activity. Also described are: (I) a kit (I) for detecting telomerase activity. Also comprising a solid phase and one or more components for assaying telomerase activity, comprising a solid phase for binding telomerase activity, comprising a solid phase for binding telomerase activity, comprising a solid phase for binding telomerase on which is present a substrate for telomerase elongation.

(I) is useful for cancer diagnosis or prognosis and detection of micrometeastasis. The solid phase activity is indicative of cancer or micrometeastasis. The solid phase used in (I) is useful for separating telomerase from a sample and therefore for detecting telomerase activity. (II) is useful for detecting comprises means for assaying an mRNA diagnostic for cancer.

The present sequence represents a reverse transcriptase (RT) PCR primer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Detecting telomerase activity in samples, useful for diagnosis of cancer and micrometastasis, comprises treating sample with solid phase, removing solid phase and treating to elute bound telomerase
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            human telomerase RNA, which is used in an example from the present
                                                                                                                                                                         hTR; reverse transcriptase; RT-PCR; PCR primer; micrometastasis; diagnosis; ss.
                                                                                                                                Human telomerase RNA reverse transcriptase PCR primer #2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Example 11; Page 38; 68pp; English.
  AAA88250 standard; DNA; 26 BP
                                                                                                                                                                                                                                                                                                                                                                   01-FEB-2000; 2000WO-IB00100
                                                                                      (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Skaanseng
                                                                                                                                                                                                                                                                                                                                                                                                                                                  (LARS/) LARSEN F.
(SKAA/) SKAANSENG M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WPI; 2000-491281/43.
                                                                                                                                                                         Human; telomerase;
                                                                                                                                                                                                detection; cancer;
                                                                                                                                                                                                                                                                                 WO200046601-A1.
                                                                                                                                                                                                                                       Homo sapiens.
                                                                                      15-DEC-2000
                                                                                                                                                                                                                                                                                                                                                                                                           02-FEB-1999;
                                                                                                                                                                                                                                                                                                                         10-AUG-2000.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Larsen F,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       invention.
                                              AAA88250;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                This sequence represents a PCR primer for DNA encoding the human TPC3 protein, which is contained within the recombinant mammalian host cell of the invention. The invention provides methods and reagents for regulating telomera length and modulating telomerase activity in mammalian cells as well as for detecting, diagnosing, and treating related diseases and conditions such as cancer, pregnancy, or fertility in humans and other
of the invention has greater sensitivity and reliability than assays for telomerase activity (cf. WO 9735871). This sequence represents a primer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
                                                                                                                                                                            Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           DNA encoding proteins TPC2 and TPC3 - useful for regulating telomere length or modulating telomerase activity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TPC2, TPC3, human; telomere length regulation; cancer; pregnancy; fertility; diagnosis; therapy; PCR primer; ss.
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                                                                                                                             Score 19; DB 20; Length 26;
Pred. No. 0.041;
Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Feng J, Villeponteau B;
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                                                                                   Sequence 26 BP; 7 A; 3 C; 9 G; 7 T; 0 other;
                                                                                                                                                                         0; Mismatches
                                            used in the method of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Example; Column 38; 59pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 GCTCTAGAATGAACGGTGG 19
                                                                                                                                                                                                                   19
                                                                                                                                                                                                                                            5 GCTCTAGAATGAACGGTGG 23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PCR primer for Human TPC3 gene.
                                                                                                                                100.0%;
                                                                                                                                                                                                                                                                                                                                                                   AAX01542 standard; DNA; 26 BP
                                                                                                                                                                                                                   1 GCTCTAGAATGAACGGTGG
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96US-0583808.
96US-0710249.
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                                                                                                                           Query Match
Best Local Similarity 100.0
Matches 19; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                     29-APR-1999 (first entry)
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Best Local Similarity 100.
Matches 19, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Adams RR, Andrews WH,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WPI; 1999-152104/13.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (GERO-) GERON CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             08-SEP-1995;
05-JAN-1996;
13-SEP-1996;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Homo sapiens
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                           AAX01542;
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0
                       Length 26;
                                               Indels
  3 C; > c,
100.0%; Score 19; DB 21; Li
100.0%; Pred. No. 0.041;
Sequence 26 BP; 7 A; 3 C; 9 G; 7 T; 0 other;
                                                                        GCTCTAGAATGAACGGTGG 19
                                                                                                GCTCTAGAATGAACGGTGG 23
                     Query Match
Best Local Similarity 100.0%;
Matches 19; Conservative
                                                                                                                                                             26
                                                                                                                                                                                                            18-JUN-2002 (first entry)
                                                                                                                                                             DNA;
                                                                                                                                                           ABK48024 standard;
                                                                                                                                                                                     ABK48024;
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ABK48024
ID ABK48
XX
AC ABK48
DT 18-JU
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RESULT 12 AAA88250

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Gaps

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Length 26; 0; Indels

Query Match
Best Local Similarity 100.0%; Pred. No. 0.041;
Matches 19; Conservative 0; Mismatches 0;

1 GCTCTAGAATGAACGGTGG 19

s gereragaargaacgereg 23

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AAD24246 standard; DNA; 26

AAD24246

07-MAR-2002

AAD24246;

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surgical procedures to remove premalignant or malignant lesions, and thu allow stratification of such patients as to their risk of residual cancer following surgery, and their need for further therapy or who has completed therapy as an early indicator or relapsed cancer, impending relapse, or treatment failure. The method allows the development and application of telomerase-specific therapy even when only premalignant tumours, early cancer, or occult cancer or metastasis such as following resection or in minimal residual disease are present. The present
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             sequence represents a PCR primer for human telomerase-associated RNA template (hTR).
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The invention relates to detecting human telomerase RNA template (hTR)

RNA or human telomerase reverse transcriptase protein RNA (HTERT) RNA (I)

In a bodily filud, comprising amplifying RNA extracted from plasma or

serum sample, or its corresponding cDNA comprising (I), using primers or

serum sample, or its corresponding cDNA comprising (I), using primers or

probes that target (I) or cDNA and detecting qualitatively or

cuantitatively amplified product of (I) or cDNA product. The method is

cuseful for detecting (I) in a bodily fluid, which is useful for

identifying a human having (I) expressing cells or tissue which

cuseful for detecting (I) in a bodily fluid, which is useful for

identifying a corrical, colorectal, gastric, liver, pancreatic, bladder,

colorectal, colorectal, gastric, liver, pancreatic, bladder,

colorectal adenoma, attypical endometrial hyperplasia, or Barrett's

cypical hyperplasia of the breast, ductal carcinoma in-situ,

cypical hyperplasia of the breast, ductal carcinoma in-situ,

colorectal adenoma, attypical endometrial hyperplasia, or Barrett's

colorectal adenoma, attypical endometrial for treating a muman with

colorectal adenoma, attypical endometrial for treating a human with

carcinoma in situ. The method is also useful for treating a human with

cancer for telomerase-directed therapy, which comprises selecting the

cancer for telomerase-directed therapy administered to a human. (I) provides a

cancer for monitoring a therapy administered to a human. (I) provides

cancer for monitoring a the
                                                                                              Human; telomerase-associated RNA template; hTR; endometrial; malignancy; cancer; breast; ovarian; head and neck; lung; cervical; colorectal; gastric; liver; pancreatic; bladder; prostate; brath; kidney; oesophagus; malanoma; sarcoma; premalignancy; carcinoma in-situ; cervical applasia; bronchial dysplasia; cervical intraepithelial neoplasia; atypical hyperplasia; colorectal adenoma; atypical endometrial hyperplasia; tumour; Barrett's oesophagus; telomerase-directed therapy; primer; ss.
Human telomerase-associated RNA template (hTR), PCR primer hTR2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      telomerase
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Detecting human telomerase RNA template RNA or human telomerase transcriptase protein RNA in bodily fluid, useful as marker for diagnosing, monitoring or treating cancer, carcinoma in situ or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Example 1; Page 14; 30pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 28-AUG-2001; 2001WO-US26749
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           31-AUG-2000; 2000US-0653573
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gocke CD;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Kopreski MS,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 07-MAR-2002
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Human; telomerase; TR; telomerase activity-related disease; therapy; cancer; pregnancy; fertility, RT-PCR primer; 88. Human telomerase (hTR) cDNA amplifying R3c downstream RT-PCR primer.

Homo sapiens. US6300110-B1. Adams RR;

Villeponteau B, Feng J, Andrews WH,

(GERO-) GERON CORP.

WPI; 2002-033174/04.

95US-003492P. 96US-0710249. 96US-0583808.

98US-0220157.

23-DEC-1998; 09-SEP-1995; 3-SEP-1996; 05-JAN-1996;

09-OCT-2001

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The invention relates to methods and reagents for regulating telomere length and for modulating telomerase activity in mammalian cells. The invention also relates to purified, synthetic or recombinant peptides such as TPC2 or TPC3 and detecting regulators of telomere length and telomerase activity in mammalian cells and for a variety of related diagnostic and therapeutic purposes. The method is useful for screening, diagnosting, monitoring and treating diseases and other conditions such as cancer, pregnancy, fertility, telomere length and telomerase-activity. The present sequence is a reverse transcription (RT) PCR primer used for amplifying human telomerase (hTR) cDNA.
                                                                                                                                                                                                                                                                                                                                                                                                      Peptide products of the human TPC2 and TPC3 gene are involved in regulation of telomere length and activity are useful to diagnose and treat telomere length and activity-related diseases
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 26 BP; 7 A; 3 C; 9 G; 7 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               100.0%; Preu. ...
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Example, Column 38; 60pp; English.
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Matches
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AAV41193
ID AAV41:
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Sequence 26 BP; 7 A; 3 C; 9 G; 7 T; 0 other;

AAV41193;

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This primer is used for the RT-PCR amplification of an RNA component of human telomerase (hTR). This is used in the method of invention of determining the amount of hTR in a sample. The method comprises amplifying a sequence of hTR and a control polynucleotide from a sample and determining an amount of amplified hTR and an amount of amplified on control polynucleotide. The amount of amplified hTR and an amount of the amount of amplified on to provide a control polynucleotide. The amount of amplified on to provide a normalised amount of hTR which provides a determination of the amount of hTR which may specifically be used for detection of an RNA component of human telomerase in a sample. This is useful for diagnosing cancer of human telomerase in a sample. This is useful for diagnosing cancer (specially neuroblastoma, bladder, colon and prostate cancer), and providing prognosis for a cancer patient. The antisense oligonucleotides can be used for inhibiting telomerase activity in both cultured cells and in cells in vivo. They can be used in therapeutics for treating or preventing cancer, for contraception or sterilisation, for immunosuppression, and for selectively down-regulating specific branches of the immune system, e.g. a specific subset of T-cells, in anti-
                                                                                                                    component; human telomerase; antisense oligonucleotide; infection;
                                                                                                                                     neuroblastoma; bladder cancer; colon cancer; prostate cancer; cancer; contraception; sterilisation; immunosuppression; therapeutic; hTR; immune system down-regulation; anti-inflammatory therapy; RT-PCR;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   New polynucleotide(s) anti:sense to human telomerase - used for detecting or inhibiting human telomerase, e.g. for treating cancers, contraception, immuno-suppression or treating infection
                                                                           and component of human telomerase (hTR) amplifying reverse primer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Kealey JT, Kim NW, Pruzan R, Weinrich SL,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Claim 65; Page 75; 80pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                           96US-0770564
                                                                                                                                                                                                                                                                                                                                                                                   97WO-US23619
                                                                                                                                                                                                                                                                                                                                                                                                                        96US-0770565
                                     08-OCT-1998 (first entry)
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parasites or fungi
                                                                                                                                                                                                                                                                                                                                                                                                                      20-DEC-1996;
                                                                                                                                                                                                                                       Synthetic.
Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                               19-DEC-1997;
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                                                                                                                                                                                                                                                                                                 WO9828442-A1
                                                                                                                                                                                                                                                                                                                                       02-JUL-1998.
                                                                                                                                                                                                    primer; ss.
                                                                                                                    RNA
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Wu F

Gaps .. 0 Score 19; DB 19; Length 27; Pred. No. 0.041; Indels . 0 Sequence 27 BP; 7 A; 3 C; 10 G; 7 T; 0 other; 0; Mismatches 100.0%; 100.08; Query Match Best Local Similarity 100.0 Matches 19; Conservative

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1 GCTCTAGAATGAACGGTGG 19 GCTCTAGAATGAACGGTGG 23

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Search completed: June 23, 2003, 05:43:38 Job time : 126.571 secs

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(without alignments)
2502.502 Million cell updates/sec
                                                      June 23, 2003, 01:05:28 ; Search time 220.96 Seconds
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GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.
                                                                                                                                                                  2054640 segs, 14551402878 residues
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                                                                                                                                                                                                                                                          summaries
                                     - nucleic search, using sw model
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Gapop 60.0 , Gapext 60.0
                                                                                                                  GCTCTAGAATGAACGGTGG
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19
1 GCTCTAGAATGAACC
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PAT 29-SEP-1999 AX468455 Sequence BD011297 Human tel B36508 Method for B37046 Human telom 131770 Sequence 23 AX063850 Sequence AX17989 Sequence AX65471 Sequence AX65383 Sequence AX6581 Sequence AX6581 Sequence AR079893 Sequence AR073893 Sequence BD011244 Human telom E36993 Human telom AR000025 Sequence
AR108136 Sequence
AR305627 Sequence
AX03627 Sequence
125474 Sequence
125474 Sequence
E49124 Novel G pro
E50834 Novel G pro
AR063835 Sequence
AR063835 Sequence
AR1277 Sequence
AX170655 Sequence
AX170655 Sequence
AX170655 Sequence
AX170656 Sequence AR016055 Sequence AR028786 Sequence AR059216 Sequence AR075527 Sequence AX298137 Sequence AX099957 Sequence I04124 Sequence 8 AR161925 Sequence AX022187 Sequence AX033377 Sequence AR063833 Sequence score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution. T (bases 1 to 19)

Kim,N.Woo., Wu.F., Kealey,J.T., Pruzan,R. and Weinrich,S.L.
Methods for detecting the RNA component of telomerase
Patent: US 546723-A 9 08-DEC-1998;
Location/Qualifiers Description linear DNA Sequence 9 from patent US 5846723. AR063833 AR063833.1 GI:5993141 ALIGNMENTS SUMMARIES AX298137 AX099957 IO4124 AR000025 AR169136 AR202623 E49124 E50834 AR063835 AX244257 AR193717 AR205029 AX082540 AX370655 AR112025 AX022187 AX033377 AX468455 BD011297 AK063832 AX465471 A84596 AR079893 AR063834 BD011244 E36993 AR063850 AX317989 A91468 80 Length Unclassified. Query Match 1 Unknown. Score RESULT 1
AR063833
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PAT 29-SEP-1999
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Villeponteau, B., Feng, J., Andrews, W.H. and Adams, R.R.
Methods and reagents for regulating telomere length and telomerase
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1 (bass 1 to 26)

Villeponteau, B., Feng, J., Funk, W. and Andrews, W.H.
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Villeponteau, B., Feng, J., Funk, W. and Andrews, W.H.
Mammalian telomerase
Patent: US 5837857-A 23 17-NOV-1998,
Location/Qualifiers
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Patent: US 5858777-A 26 12-JAN-1999;
Location/Qualifiers
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Sequence 24 from patent US 5958680.
AR075527
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Sequence 26 from patent US 5858777.
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unclassified.
1 (Dases I to 26)
Emrich, T.D.
Method for detection of carcinoma of the urinary bladder within a
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Matches 19; Conservative 0; Mismatches 0; Indels
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Matches 19; Conservative 0; Mismatches 0; Indels
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1 (bases 1 to 26)
Villeponteau, B., Feng, J., Funk, W. and Andrews, W.H. Assays for the DNA component of human telomerase Patent: US 5776679-A 23 07-JUL-1998;
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/db_xrefe"taxon:32644"
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Sequence 23 from patent US 5776679.
AR016055
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ROCHE DIAGNOSTICS GMBH (DE)
Location/Qualifiers
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Sequence 2 from Patent EP0926245.
A94988
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Method for detection of htr and htert telomerase-associated rna in plasma or serum
Patent: WO 0218652-A 5 07-MAR-2002;
Oncomedx, Inc. (US)
Location/Qualifiers
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Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo.
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1 (bases 1 to 26)
Larsen,F. and Skaanseng,M.
Detecting telomerase activity
Patent: WO 0046601-A 9 10-AUG-2000,
LARSEN FRANK (NO); SKAANSENG MARIANNE (NO)
LOCATION/Qualifiers
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/db_xref="taxon:32630"
/note="PCR primer"
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Sequence 5 from Patent WO0218652.
AX468455 AX468455.1 GI:21901291
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Sequence 9 from Patent W00046601.
AX033377
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/organism="Homo sapiens"
/db_xref="taxon:9606"
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Andrews, W.H., Villeponteau, B., Adams, R.R. and Feng, J.
Methods and reagents for regulating telomere length and telomerase
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Matches 19; Conservative 0; Mismatches 0; Indels
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Best Local Similarity 100.0%; Pred. No. 0.18;
Matches 19; Conservative 0; Mismatches 0; Indels
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Villeponteau, B., Feng, J., Funk, W. and Andrews, W.H. Mammalian telomerase
Patent: US 6258535-A 23 10-JUL-2001;
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Mammalian telomerase
Patent: US 5958680-A 24 28-SEP-1999;
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Sequence 23 from patent US 6258535.
AR161925
AR161925.1 GI:16228953
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Patent: EP 0953042-A 26 03-NOV-1999;
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Sequence 26 from Patent EP0953042.
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/db_xref="taxon:32644"
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C12Q1/48,C12Q1/68,G01N33/15,G01N33/48,G01N33/50//C07K14/47, PC
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CI2N15/09,A61K31/70,A61K38/55,A61K39/395,A61K39/395,A61K48/00,
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PC (C12N9/12,C12R1:91),C12N15/00,A61K37/64,C12N5/00 CC
Strandedness: Single;
CC Topology: Linear;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PF 15-0CT-1998 UP 1998320169
PR 01-0CT-1996 US 08/724.643,18-APR-1997 US 08/844.415
25-APR-1997 US 08/846.017,06-MAY-1997 US 08/851.843, PR 09-MAY-1997 US 08/854.050,14-AUG-1997 US 08/911.312, PR 14-AUG-1997 US 08/912.951,14-AUG-1997 US 08/915.503 PI R SECHI,JOCHIMU RINGNER, TORU NAKAMURA, KAREN B CHAPMAN, PI MORIN,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Thomas, R.S., Jochimu, R., Toru, N., Karen, B.C., Greg, B.M., Calvin, B.H. and William, H.A.
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                                                                  /organism='Artificial Sequence'.
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Best Local Similarity 100.0%; Pred. No. 0.18;
Matches 19; Conservative 0; Mismatches 0; Indels
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Human telomerase catalytic subunit promoter.
E37046
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Patent: JP 1999253177-A 254 21-SEP-1999;
JERON CORP, UNIVERSITY TECHNOLOGY CORP
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/organism="synthetic c
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JP 1999253177-A/254
21-SEP-1999
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   C12Q1/68//C12N1/00
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A61K38/00,A61K31/7088,A61K39/00,A61K48/00,A61P35/00,A61P43/00,
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CO7KS/107,CO7KS/117,CO7K7/06,CO7K7/08,CO7K16/40,C12N9/12, PC
                                                                                                       E 1 (bases 1 to 26)
S Schi,T.R., Lingner,J., Nakamura,T., Chapman,K.B., Mori,G.B.,
Harley,C.B. and Andrews,W.H.
Human telomerase catalytic subunit
Patent: JP 2001081042-A.254 27-MR-2001,
GERON CORP, UNIVERSITY TECHNOLOGY CORP
OS Unidentified
PN JP 2001081042-A/254
PD 27-MRA-2001
PF 27-UJL-2000 JP 2000227474
PP 27-UJL-2000 JP 2000227474
PR 01-OCT-1997 US 08/824819 PR 25-APR-1997 US 08/851843 PR 25-APR-1997 US 08/854050,14-AUG-1997 US 08/911312 PR 14-AUG-1997 US 08/912951,14-AUG-1997 US 08/912503 PI THOM R SECHI, JOACHIM LINGNER, TORU NAKAMURA, KAREN B CHAPMAN, PI GREG
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Method for detecting bladder cancer in urine samples.
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Method for detecting bladder cancer in urine samples
Patent: JP 1999243995-A 2 14-SEP-1999;
ROCHE DIAGNOSTICS GMBH
OS Artificial Sequence
PN JP 1999243995-A/2
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Matches 19; Conservative 0; Mismatches 0; Indels
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   Human telomerase catalytic subunit.
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/db_xref="taxon:32644"
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22-DEC-1998 JP 1998365689
22-DEC-1997 DE 19757300:2
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/organism='Unidentified'.
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                                 BD011297.1 GI:18639670
JP 2001081042-A/254.
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CC Topology: Linear;
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FT Source 1.
FT /organism='Unident
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1 (bases 1 to 26)
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AUTHORS Kim,N.Woo., Wu.F., Kealey,J.T., Pruzan,R. and Weinrich,S.L.
TITLE Methods for detecting the RNA component of telomerase
JOHRNAL Patent: US 5946723-A 26 08-DEC-1998;
FEATURES Location/Qualifiers
                                                                                                                                                          Unknown.
SM Unknown.
Unclassified.
2E 1 (bases 1 to 26)
3S Villeponteau, B., Feng, J., Funk, W. and Andrews, W.H.
SM Mammalian telomerase
MAL Patent: US 5583016-A 23 10-DEC-1996;
Location/Qualifiers
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Best Local Similarity 100.0%; Pred. No. 0.18;
Matches 19; Conservative 0; Mismatches 0; Indels
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Sequence 23 from patent US 5583016.
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AR063850.1 GI:5993158
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/organism="unknown"
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5 GCTCTAGAATGAACGGTGG 23
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8677950 Total number of hits satisfying chosen parameters: 7860393 segs, 3496198572 residues IDENTITY_NUC Gapop 10.0 , Gapext 1.0 1 GCTCTAGAATGAACG 15 Minimum DB seq length: 0 Maximum DB seq length: 50 Scoring table: Title: Perfect score: Sequence: Searched:

Maximum Match 100% Listing first 45 summaries Post-processing: Minimum Match 0% Database :

Pending Patents NA New:*

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Sequence 555, A Sequence 550, A Sequence 520, A Sequence 521, A Sequence 598, A Sequence 598, A Sequence 598, A Sequence 539, Description Sequence Sequence PCT-US03-04088-543 PCT-US03-04088-547 PCT-US03-04088-551 PCT-US03-04088-559 PCT-US03-04088-520 PCT-US03-04088-521 US-US-23-4088-521 US-09-721-456-598 US-10-325-810-598 US-10-330-872-5 US-10-330-872-5 PCT-US03-04088-539 DB Query Match Length 100.0 Score Result No.

Sequence 981444, Sequence 494214, Sequence 538, App Sequence 542, App	546, 550, 554,	3845, 3846, 3854, 11894		Sequence 70333, A Sequence 482963, Sequence 704066, Sequence 751232, Sequence 55874	Sequence 51166, A Sequence 444453, Sequence 952737, Sequence 153966,
US-10-355-577-981444 2 US-60-427-836-494214 PCT-US03-04088-538 PCT-US03-04088-542	PCT-US03-04088-546 PCT-US03-04088-550 PCT-US03-04088-554 PCT-US03-04088-558	US-09-660-222-3845 US-09-660-222-3846 US-09-660-222-3854 US-10-098-263B-118949		US-10-355-577-70333 US-10-355-577-482963 US-10-355-577-704066 US-10-355-577-751232 US-10-355-577-056974	2 US-60-427-808-51166 2 US-60-427-808-444453 2 US-60-427-808-952737 2 US-60-427-836-153966
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ALIGNMENTS

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FULLOSATION OF THE STATE OF THE STATE OF THE SEQUENCE 539, Application PC/TUS0304088

GENERAL INFORMATION:

APPLICANT: Ribozyme Pharmaccuticals, Inc.

APPLICANT: Beigelman, Leonid

TITLE OF INVENTION: RAD Interference Mediated Inhibition of Telomerase Gene

TITLE OF INVENTION: RAD Interference Mediated Inhibition of Telomerase Gene

TITLE OF INVENTION: RAD Interference Mediated Inhibition of Telomerase Gene

TITLE OF INVENTION: PAPELICATION NUMBER: PCT/US03/04088

CURRENT FILING DATE: 202-703-04-28

PRIOR FILING DATE: 2002-02-20

PRIOR APPLICATION NUMBER: US 60/356,782

PRIOR PELING DATE: 2002-03-11

PRIOR PELING DATE: 2002-06-06

PRIOR PELING DATE: 2002-06-06

PRIOR PELING DATE: 2002-09-05

PRIOR PELING DATE: 2002-09-05

PRIOR PELING DATE: 2002-09-05

PRIOR FILING DATE: PATENTING DATE: PATE
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NAME/KEY: misc_feature

// LOCATION: (20)...(21)

// OTHER INFORMATION: n stands for thymidine

PCT-US03-04088-539
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ORGANISM: Artificial
PCT-US03-04088-539/c
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100.0%; Score 15; DB 1; Length 21;

Query Match

Sequence 5, Appliance Sequence 36216, A Sequence 13722, A Sequence 222991, Sequence 543, App Sequence 543, App Sequence 543, App Sequence 549, App

US-60-469-545-13722 US-60-469-545-222991

US-09-954-445A-54976

US-09-721-456-543 US-10-325-810-543

13.4 13.4 13.4

Sequence 5,

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APPLICANT: MCSwiggen, James
APPLICANT: Beigelman, Leonid
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase Gene
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          OTHER INFORMATION: Description of Artificial Sequence: sinh sense region
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                OCATION: (1).7(1)
)THER INFORMATION: 5'-3 attached terminal deoxyabasic moeity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ; LOCATION: (21) ... (21)
; OTHER INFORMATION: 3'-3 attached terminal deoxyabasic moeity
PCT-US03-04088-547
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         100.0%; Score 15; DB 1; Length 21; 100.0%; Pred. No. 1.1e+02; ... ive 0; Mismatches 0; Indels
PRIOR APPLICATION NUMBER: US 60/358,580
PRIOR PILING DATE: 2002-02-20
PRIOR APPLICATION NUMBER: US 60/363,124
PRIOR PILING DATE: 2002-03-11
PRIOR PILING DATE: 2002-03-11
PRIOR PILING DATE: 2002-06-06
PRIOR PILING DATE: 2002-08-29
PRIOR PILING DATE: 2002-09-05
PRIOR PILING DATE: 2002-09-05
PRIOR PILING DATE: 2002-09-05
PRIOR PILING DATE: 2002-09-05
PRIOR PILING DATE: 2002-09-09
PRIOR PILING DATE: 2003-01-15
NUMBER OF SEQ ID NOSE: 626
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                INFORMATION: n stands for thymidine
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Ribozyme Pharmaceuticals, Inc.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 551, Application PC/TUS0304088 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NAME/KEY: misc feature
LOCATION: (1)._(2)
JTHER INFORMATION: 2'-deoxy-2'-fluoro
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NAME/KEY: misc_feature
LOCATION: (4)..(5)
TOTHER INFORMATION: 2'-deoxy-2'-fluoro
FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CCATION: (7). (9)

THER INFORMATION: 2'-deoxy-2'-fluoro
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OTHER INFORMATION: 2'-deoxy-2'-fluoro
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THER INFORMATION: 2'-deoxy-2'-fluoro
                                                                                                                                                                                                                                                                                                                                                                             SOFTWARE: Patentin version 3.2
SEQ ID NO 547
LENGTH: 21
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Local Similarity
nes 15; Conserv
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Matches
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                                                                                                                                                                                                                                                                                                                       APPLICANT: McSwiggen, James
APPLICANT: Beigelman, Leonid
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase Gene
TITLE OF INVENTION: Expression Using Short Interfering RNA (siNA)
FILE REFERENCE: 02-708-A (400/080)
CURRENT APPLICATION NUMBER: PCT/US03/04088
CURRENT FILING DATE: 2003-04-28
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                                 Gaps
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                                 Indels
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1.1e+02;
0;
       Pred. No. 1.1e+02;
  Best Local Similarity 100.0%; Pred. No. 1.1 Matches 15; Conservative 0; Mismatches
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                                                                                                                                                                                                                                                                                                APPLICANT: Ribozyme Pharmaceuticals, Inc.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICATION NUMBER: US 60/396,600 FILING DATE: 2002-07-17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PRIOR FILING DATE: 2002-02-20
PRIOR APPLICATION NUMBER: US 60/363,124
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FILING DATE: 2002-03-11
APPLICATION NUMBER: US 60/386,782
FILING DATE: 2002-06-06
APPLICATION NUMBER: US 60/406,784
FILING DATE: 2002-08-29
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PRIOR FILING DATE: 2002-09-05
PRIOR APPLICATION NUMBER: US 60/409,293
PRIOR FILING DATE: 2002-09-09
PRIOR PILING DATE: 2003-01-129
PRIOR FILING DATE: 2003-01-15
NUMBER OF SEQ ID NOS: 626
SOFTWARE: PatentIn version 3.2
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PRIOR APPLICATION NUMBER: US 60/396,600
PRIOR FILING DATE: 2002-07-17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICATION NUMBER: US 60/358,580
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PRIOR FILING DATE: 2002-08-29
PRIOR APPLICATION NUMBER: US 60/408,378
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                                                                                                                                                                                                                                                     Application PC/TUS0304088
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                                                                            1 GCTCTAGAATGAACG 15
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                                                                                                             GCTCTAGAATGAACG 5
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: RNA
ORGANISM: Artificial
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity
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FILE REFERENCE: 02-708-A (400/080)
CURRENT APPLICATION NUMBER: PCT/US03/04088
CURRENT FILING DATE: 2003-04-28
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LOCATION: (3)._(3)
OTHER INFORMATION: 2'-deoxy
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THER INFORMATION: 2'-deoxy
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THER INFORMATION: 2'-deoxy
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THER INFORMATION: 2'-deoxy
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NAME/KEY: misc_feature
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NAME/KEY: misc_feature
LOCATION: (4)...(5)
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LOCATION: (10)..(10)
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LOCATION: (7)..(9)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: RNA
ORGANISM: Artificial
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  OCATION:
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PCT-US03-04088-555/C
Sequence 555, Application PC/TUS0304088
Sequence 555, Application PC/TUS0304088
SEQUENCE 555, Application:
APPLICANT: McSwiggen, James
APPLICANT: McSwiggen, James
APPLICANT: Beigelman, Leonid
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase Gene
TITLE OF INVENTION: Expression Using Short Interfering RNA (sINA)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
TITLE OF INVENTION: Expression Using Short Interfering RNA (siNA) FILE REPERENCE: 02-708-A (400/080) CURRENT APPLICATION NUMBER: PCT/USO3/04088 CURRENT FILING DATE: 2003-04-28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NAME/KEY: misc_feature

: LOCATION: (20)...(20)

: OTHER INFORMATION: Phosphorothioate 3'-Internucleotide Linkage

PCT-USO3-04088-551
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100.0%; Score 15; DB 1; Length 21;
Best Local Similarity 80.0%; Pred. No. 1.18+02;
Matches 12; Conservative 3; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    OTHER INFORMATION: Description of Artificial Sequence: OTHER INFORMATION: antisense region
                                                                                               PRIOR FILING DATE: 2002-04-17
PRIOR FILING DATE: 2002-07-17
PRIOR PELLING DATE: 2002-07-17
PRIOR APPLICATION NUMBER: US 60/356,600
PRIOR APPLICATION NUMBER: US 60/363,124
PRIOR APPLICATION NUMBER: US 60/363,124
PRIOR FILING DATE: 2002-06-06
PRIOR FILING DATE: 2002-06-06
PRIOR PELLING DATE: 2002-06-06
PRIOR PELLING DATE: 2002-09-05
PRIOR PILING DATE: 2002-09-05
PRIOR PILING DATE: 2002-09-05
PRIOR PILING DATE: 2002-09-09
PRIOR FILING DATE: 2002-09-09
PRIOR FILING DATE: 2002-09-09
PRIOR PILING DATE: 2002-09-09
PRIOR PILING DATE: 2003-01-15
NUMBER OF SEQ ID NOS: 626
SOFTWARE: PREDIT PREDIT PREDIT PRIOR PILING DATE: 2003-01-15
NUMBER OF SEQ ID NOS: 626
SSQ ID NO 551
LENGTH: 21
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         FEATURE:

NAME/KEX: misc_feature
LOCATION: (2). (5)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        LOCATION: (10)...(10)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
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OTHER INFORMATION: 2'-deoxy-2'-fluoro
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OTHER INFORMATION: 2'-deoxy-2'-fluoro
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NAME/KEY: misc_feature
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NAME/KEY: misc_feature
LOCATION: (14)..(14)
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LOCATION: (20)..(21)
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OTHER INFORMATION: Description of Artificial Sequence: Target sequence/siNA sense
OTHER INFORMATION: region
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PRIOR FILING DATE: 2002-04-28
PRIOR FILING DATE: 2002-07-17
PRIOR FILING DATE: 2002-07-17
PRIOR APPLICATION NUMBER: US 60/356,600
PRIOR APPLICATION NUMBER: US 60/363,124
PRIOR PILING DATE: 2002-03-11
PRIOR PILING DATE: 2002-06-06
PRIOR FILING DATE: 2002-06-06
PRIOR PILING DATE: 2002-06-06
PRIOR APPLICATION NUMBER: US 60/408,784
PRIOR PILING DATE: 2002-06-05
PRIOR FILING DATE: 2002-09-09
PRIOR FILING DATE: 2003-09-09
PRIOR FILING DATE: 2003-09-09
PRIOR FILING DATE: 2003-09-09
PRIOR FILING DATE: 2003-09-09
PRIOR FILING DATE: 2003-01-15
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LOCATION: (20)...(21)
OTHER INFORMATION: n stands for thymidine
FBATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NAME/KEY: misc feature
LOCATION: (1). (2)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
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INFORMATION: 2'-deoxy-2'-fluoro
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THER INFORMATION: 2'-deoxy-2'-fluoro
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LOCATION: (11) ... (14)
JTHER INFORMATION: 2'-deoxy-2'-fluoro
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           LOCATION: (19)...(19)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
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; OTHER INFORMATION: Description of Artificial Sequence: Target sequence/siNA sense; OTHER INFORMATION: region
PCT-US03-04088-520
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | JERURRAL INFORMATION:
| APPLICANT: Ribozyme Pharmaceuticals, Inc.
| APPLICANT: Beigelman, Leonid
| TITLE OF INVENTION: RNB Interference Mediated Inhibition of Telomerase Gene
| TITLE OF INVENTION: RNB Interference Mediated Inhibition of Telomerase Gene
| TITLE OF INVENTION: RNB INTER: 2003-04-28
| FILE REPERRACE: 02-708-A (400/080)
| CURRENT FILING DATE: 2003-04-28
| PRIOR APPLICATION NUMBER: US 60/358,580
| PRIOR PILING DATE: 2002-02-03-11
| PRIOR FILING DATE: 2002-03-11
| PRIOR FILING DATE: 2002-03-11
| PRIOR FILING DATE: 2002-09-05
| PRIOR PLICATION NUMBER: US 60/406,784
| PRIOR PLICATION NUMBER: US 60/409,293
| PRIOR FILING DATE: 2002-09-05
| PRIOR FILING DATE: 2002-09-05
| PRIOR FILING DATE: 2002-09-05
| PRIOR FILING DATE: 2003-09-05
| PRIOR FIL
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NAME/KEY: misc_feature
LOCATION: (20)..(20)
OTHER INFORMATION: Phosphorothioate 3'-Internucleotide Linkage
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           DB 1; Length 23;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 15; DB 1;
Pred. No. 1.1e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ; LOCATION: (20)...(21)
; OTHER INFORMATION: n stands for thymidine PCT-US03-04088-559
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           100.0%; Score 15;
ON: (14)..(14)
INFORMATION: 2'-deoxy-2'-fluoro
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PCT-US03-04088-520/c; Sequence 520, Application PC/TUS0304088; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                INFORMATION: 2'-deoxy-2'-fluoro
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 GCUCUAGAAUGAACG 15
                                                                                                                                  LOCATION: (15)...(16)
OTHER INFORMATION: 2'-deoxy
                                                                                                                                                                                                                                                                                                                                                                  NAME/KEY: misc feature
LOCATION: (18)...(19)
OTHER INFORMATION: 2'-deoxy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity 80.0
Matches 12, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NAME/KEY: misc_feature
LOCATION: (20)...(21)
                                                                                                                                                                                                                                   NAME/KEY: misc_feature
                                                                                                          JAME/KEY: misc feature
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                                                                                                                                                                                                                                                                  LOCATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
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                                                                                                                                                                                                                                      Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: Beigelman, Leonid
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telome
TITLE OF INVENTION: Expression Using Short Interfering RNA (siNA)
FILE REFERENCE: 02-708-A (400/080)
CURRENT APPLICATION NWBER: PCT/US03/04088
CURRENT FILING DATE: 2003-04-28
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NAME/KEY: misc_feature

| LOCATION: (21)...(21)

| OTHER INFORMATION: 3'-3 attached terminal deoxyabasic moeity

PCT-US03-04088-555
                                                                                                                                                                 Score 15; DB 1; Length 21;
Pred. No. 1.1e+02;
                                                                                                                                                                                                                                   Indels
                                                                                                                                                                                                                                   Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CURRENT FILING DATE: 2003-04-28
PRIOR APPLICATION NUMBER: US 60/396,600
PRIOR PILING DATE: 2003-04-28
PRIOR PILING DATE: 2002-07-17
PRIOR PILING DATE: 2002-02-0
PRIOR FILING DATE: 2002-02-0
PRIOR FILING DATE: 2002-03-11
PRIOR FILING DATE: 2002-03-11
PRIOR FILING DATE: 2002-03-11
PRIOR FILING DATE: 2002-06-06
PRIOR FILING DATE: 2002-08-29
PRIOR FILING DATE: 2002-08-29
PRIOR FILING DATE: 2002-08-29
PRIOR PILING DATE: 2002-09-05
PRIOR PILING DATE: 2002-09-05
PRIOR PILING DATE: 2002-09-05
PRIOR PILING DATE: 2002-09-05
PRIOR FILING DATE: 2002-09-05
PRIOR FILING DATE: 2002-09-09
PRIOR FILING DATE: 2003-01-15
PRIOR FILING DATE: 2003-01-15
SEQ ID NOS: 626
SEQ ID NOS: 626
SEQ ID NOS: 626
LENGTH: 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: McSwiggen, James
APPLICANT: Beigelman, Leonid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 559, Application PC/TUS0304088
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THER INFORMATION: 2'-deoxy-2'-fluoro
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INFORMATION: 2'-deoxy-2'-fluoro
                                                                                                                                                                 100.0%;
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OTHER INFORMATION: 2'-deoxy
FEATURE:
NAME/KEY: misc_feature
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OTHER INFORMATION: 2'-deoxy
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JTHER INFORMATION: 2'-deoxy
                                                                                                                                                          Query Match
Best Local Similarity 100.0
Matches 15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NAME/KEY: misc feature
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                                                                                                                                                                       COMPUTER: IBM PC Compatible
COMPUTER: IBM PC Compatible
OPERATIOG SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/721,456
FILING DATE: SZ NOV-2000
CLASSIFICATION: VUNKNOWN->
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NAME: Apple, Randolph Ted
REGISTRATION NUMBER: 36,429
REFERENCE/DOCKET NUMBER: 015389-002610US
TELECOMMUNICATION INFORMATION:
TELEBHONE: (415) 576-0200
TELEFAX: (415) 576-0300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               100.0%; Score 15; DB 6; 100.0%; Pred. No. 1.1e+02; tive 0; Mismatches 0;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      FILING DATE: 14-AUG-1997
APPLICATION NUMBER: US 08/912,951
FILING DATE: 14-AUG-1997
APPLICATION NUMBER: US 08/915,503
FILING DATE: 14-AUG-1997
APPLICATION NUMBER: WO PCT/US97/17618
FILING DATE: 01-OCT-1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICATION NUMBER: WO PCT/US97/17885 FILLING DATE: 01-OCT-1997
                                                                                                                                                                                                                                                                                                                                                                                                                                              FILING DATE: 19-NOV-1997
APPLICATION NUMBER: US 08/724,643
FILING DATE: 01-OCT-1996
APPLICATION NUMBER: US 08/644,419
FILING DATE: 18-APR-1997
FILING DATE: 25-APR-1997
                                                                                                                                                                                                                                                                                                                                                                                   PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/974,549A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICATION NUMBER: US 08/854,050
FILING DATE: 09-MAY-1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICATION NUMBER: US 08/851,843
FILING DATE: 06-MAY-1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICATION NUMBER: US 08/911,312
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GENERAL INFORMATION:
APPLICANT: Cech, Thomas R.
Lingner, Joachim
Nakamura, Toru
Chapman, Karen B.
                                                                             ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            INFORMATION FOR SEQ ID NO: 598
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   LOCATION: 1..26
OTHER INFORMATION:
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                              STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TOPOLOGY: linear MOLECULE TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         15; Conservative
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Matches 15; Conserv
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US-10-325-810-598
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PCT-US03-04088-521
                                                                                                                                                                                                                                                                                                                                                                                         ### PPPLICANT: KIDOZYME FIGILINGCHILLCAID.
### APPLICANT: MCSWiggen, James
### APPLICANT: Bedgelman, Leonid
### APPLICANT: Bedgelman, Leonid
### APPLICANT: Bedgelman, Leonid
### APPLICANT: Bedgelman, Leonid
### TITLE OF INVENTION: REAPERSHORE
### APPLICANTON RAPE INTERFERENCE: 02-708-A (400/080)
### TITLE OF INVENTION: Expression Using Short Interfering RNA (siNA)
### FILE REFERENCE: 02-708-A (400/080)
### CURRENT PILING DATE: 2003-04-18
### PRIOR PELING DATE: 2002-07-17
### PRIOR PELING DATE: 2002-03-11
### PRIOR PELING DATE: 2002-03-11
### PRIOR PELING DATE: 2002-09-05
### PRIOR PELING DATE: 2002-09-09
### PRIOR PELING DATE: 2003-01-15
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INVENTION: Human Telomerase Catalytic Subunit
SEQUENCES: 727
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 15; DB 1; Length 23; Pred. No. 1.1e+02;
                                                    Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADDRESSEE: Townsend and Townsend and Crew LLP STREET: Two Embarcadero Center, Eighth Floor CITY: San Francisco
                        Pred. No. 1.1e+02;
                                                       Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Mismatches
                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: Ribozyme Pharmaceuticals, Inc.
                                                                                                                                                                                                                                                                                                                           L, Application PC/TUS0304088
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 598, Application US/09721456 GENERAL INFORMATION:
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Lingner, Joachim
Nakamura, Toru
Chapman, Karen B.
Morin, Gregg B.
Harley, Calvin B.
100.0%; Pre
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                                                                                                            1 GCTCTAGAATGAACG 15
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NUMBER OF SEQUENCES: 72
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity 100.0
Matches 15; Conservative
                  Best Local Similarity 100.
Matches 15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: RNA
ORGANISM: Artificial
                                                                                                                                                                                                                                                                                                                        Sequence 521, Appliance SENERAL INFORMATION
                                                                                                                                                                                                                                                                                            PCT-US03-04088-521/c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RESULT 9
US-09-721-456-598
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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
                                                                                                                                                                                                                                            STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
                                                                                                                                                                                                                        ADDRESSEE: Townsend and Townsend and
                                                                                                                   Andrews, William H.
TITLE OF INVENTION: Mammalian Telomerase
NUMBER OF SEQUENCES: 42
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICATION NUMBER: US/09/057,351
FILING DATE: 08-APR-1994
PAPLICATION NUMBER: US 08/272,102
FILING DATE: 07-JUL-1994
APPLICATION NUMBER: US 08/330,123
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CURRENT APPLICATION DATA:
RPELICATION NUMBER: US/10/359,935
FILING DATE: 07-Feb-2003
CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                FILING DATE: 27-OCT-1994
APPLICATION NUMBER: US 08/472,802
                                               APPLICANT: Villeponteau, Bryant
Sequence 23, Application US/10359935 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                FILING DATE: 07-JUN-1995
                                                                        Feng, Junli
Funk, Walter
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                COUNTRY: USA
ZIP: 94111-3834
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                                                                                                                                                                                                         COUNTY: USA
ZIP: 9411-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: 1BM PC compatible
COMPUTER: 1BM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PAtentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/325,810
FILING DATE: 20-Dec-2002
CLASSIFCATION: CURKNOWN>
PRIOR APPLICATION DATA:
PRIOR APPLICATION DATA:
  Andrews, William H.
TITLE OF INVENTION: Human Telomerase Catalytic Subunit
NUMBER OF SEQUENCES: 633
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 26;
                                                                                                       ADDRESSEE: Townsend and Townsend and Crew LLP STREET: Two Embarcadero Center, Eighth Floor CITY: San Francisco STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            REGISTRATION NUMBER: 42,271
REFERENCE/DOCKET NUMBER: 015389-002620US
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       100.0%; Score 15; DB 9; 100.0%; Pred. No. 1.1e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                LOCATION: 1..26
OTHER INFORMATION: /note= "R3c primer"
SEQUENCE DESCRIPTION: SEQ ID NO: 598:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     FILING DATE: 14-AUG-1997
APPLICATION NUMBER: WO PCT/US97/17885
FILING DATE: 01-OCT-1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              FILING DATE: 01-OCT-1996
PEDLICATION NUMBER: US 08/844,419
FILING DATE: 18-APR-1997
APPLICATION NUMBER: US 08/846,017
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICATION NUMBER: US 08/911,312
FILING DATE: 14-AUG-1997
APPLICATION NUMBER: US 08/912,951
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICATION NUMBER: US/09/402,181
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FILING DATE: 29-Sep-1997
APPLICATION NUMBER: US 08/724,643
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICATION NUMBER: US 08/851,843
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICATION NUMBER: US 08/854,050
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      FILING DATE: 14-AUG-1997
APPLICATION NUMBER: US 08/915,503
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                E: (415) 576-0200 (415) 576-0300
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                25-APR-1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           06-MAY-1997
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  INFORMATION FOR SEQ ID NO: 598
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SEQUENCE CHARACTERISTICS
                                                                                             CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: nucleic aci
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TOPOLOGY: linear MOLECULE TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                FILING DATE:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity
Matches 15; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       JS-10-325-810-598
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Purified Telomerase to Identify Telomerase Activators and
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Pred. No. 1.1e+02;
                                                                                                                                                                                                                                                                                                                                                        Mismatches
                                                                                                                                                                                                        TOPOLOGY: linear
MOLECULE TYPE: DNA
SEQUENCE DESCRIPTION: SEQ ID NO: 23:
US-10-359-935-23
                   NAME: Storella, John R. REGISTRATION NUMBER: 32,944
                                                                        TELECOMMUNICATION INFORMATION
                                                          REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 5, Application US/10330872 GENERAL INFORMATION:
ATTORNEY/AGENT INFORMATION:
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Atkinson III, Edward
Lichtsteiner, Serge
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Pruzan, Ronald
TITLE OF INVENTION: Using Purifi
TITLE OF INVENTION: Inhibitors
FILE REFERENCE: 011/006C
                                                                                                                                                                                      TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                   100.0%;
                                                                                                                              INFORMATION FOR SEQ ID NO: 23
SEQUENCE CHARACTERISTICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: Geron Corporation APPLICANT: Weinrich, Scott
                                                                                                                                                                                                                                                                                                                                                          Conservative
                                                                                         TELEPHONE:
                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity
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APPLICANT:
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APPLICANT:
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Mismatches

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Conservative

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GCTCTAGAATGAACG 19

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